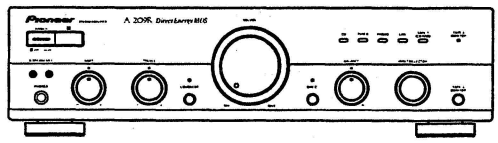
Pioneer

Service Manual



ORDER NO.
RRV2283

STEREO AMPLIFIER

A-209R
A-209

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model		Power Requirement	The voltage can be converted by the following method.
	A-209R	A-209		
MYXJ	○	–	AC220-230V	——
MVXJ	○	–	AC220-230V	——
MLXJ	–	○	AC220-230V	——
SBDXJ	–	○	AC110V/120-127V/220V/240V	With the voltage selector

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PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
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PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936

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T – ZZK APR. 2000

1. SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 – Proposition 65

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

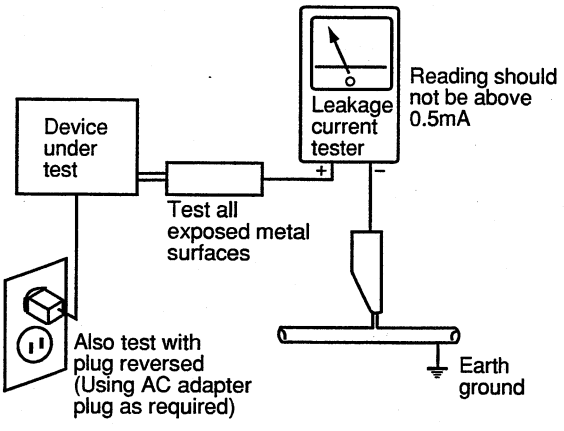
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.


Reading should not be above 0.5mA
Leakage current tester
Device under test
+
–
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

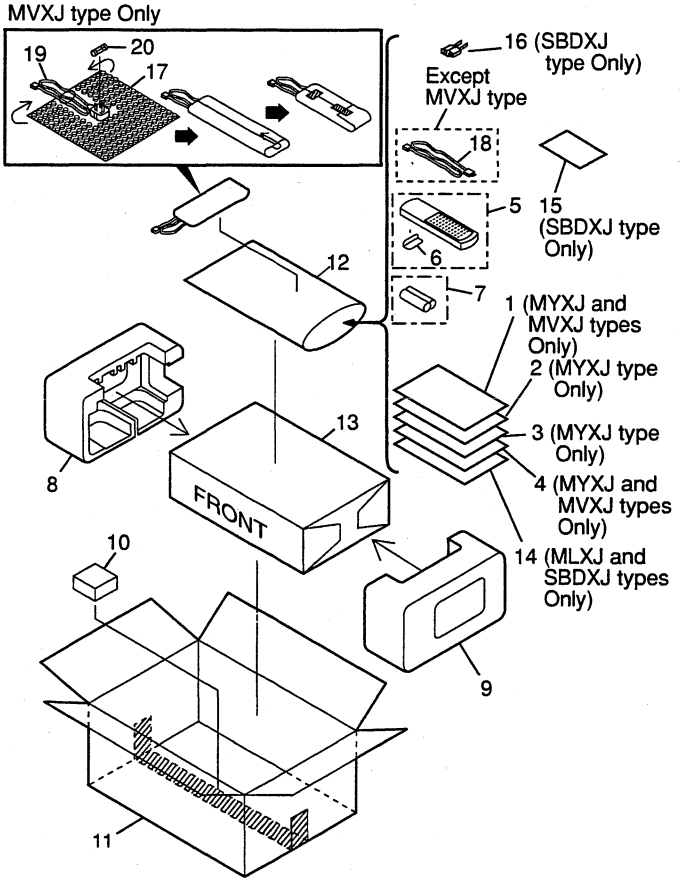
Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *Screws adjacent to ▼ mark on the product are used for disassembly.*

2.1 PACKING

MVXJ type Only



(1) PACKING PARTS LIST

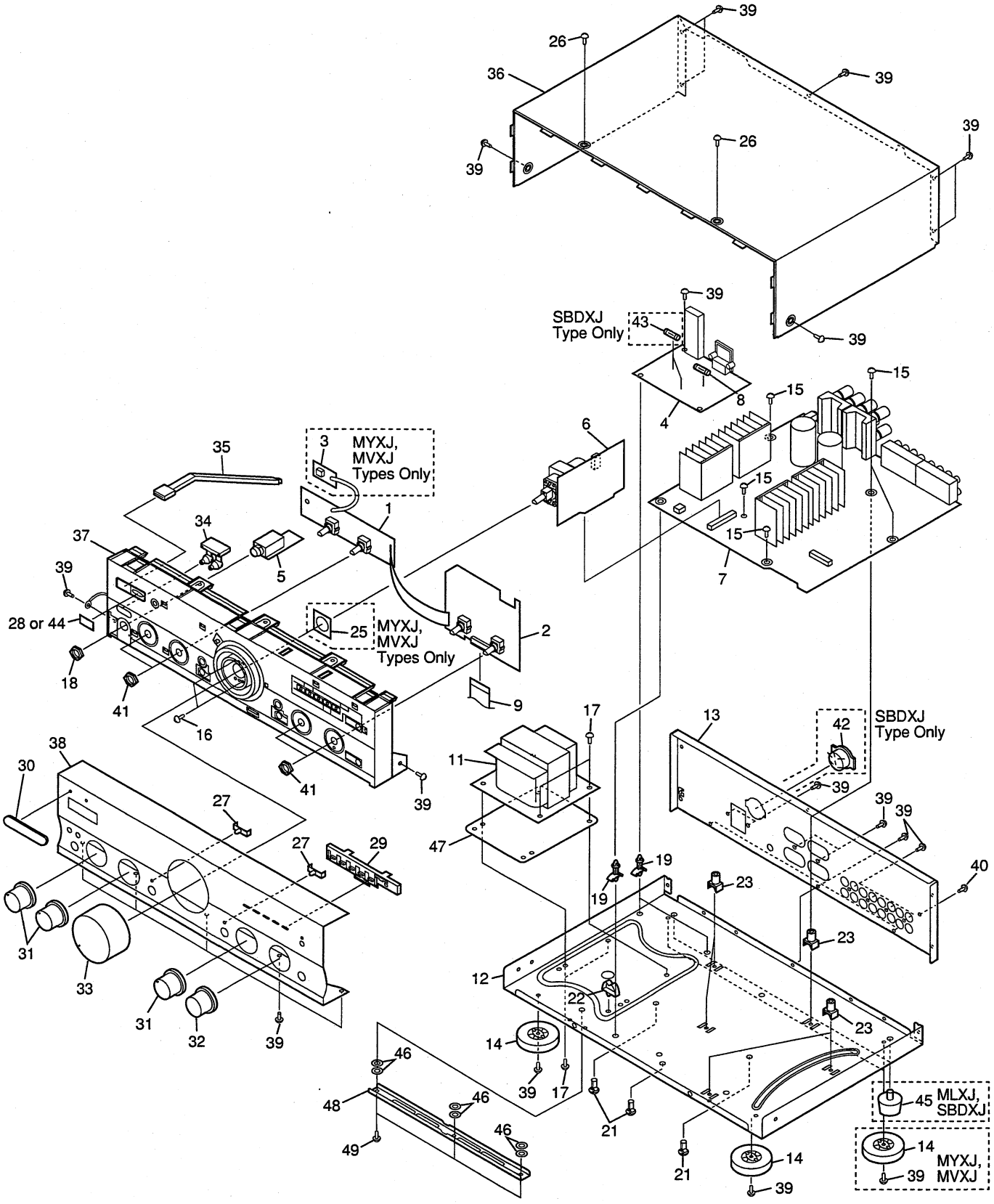
Mark	No.	Description	Part No.
	1	Operating Instructions (English)	See Contrast table(2)
	2	Operating Instructions (German)	See Contrast table(2)
	3	Operating Instructions (French/Italian/Dutch/Swedish/Spanish/Portugese)	See Contrast table(2)
NSP	4	Warranty Card	See Contrast table(2)
	5	Remote Control Unit (CU-A019)	See Contrast table(2)
	6	Battery Cover	See Contrast table(2)
NSP	7	Dry Cell Battery (AA/R6P)	See Contrast table(2)
	8	Side Pad L	AHA7205
	9	Side Pad R	AHA7206
	10	Sub Pad	AHA7218
	11	Packing Case	See Contrast table(2)
NSP	12	Literature Bag	AHG1180
	13	Packing Sheet	AHG7015
	14	Operating Instructions (English/Spanish/Chinese)	See Contrast table(2)
	15	Caution Label 220V	See Contrast table(2)
	16	AC Plug Adapter	See Contrast table(2)
NSP	17	Air Cap	See Contrast table(2)
⚠	18	Power Cord	See Contrast table(2)
⚠	19	Power Cord with Fuse	See Contrast table(2)
⚠	20	Fuse (T5A)	See Contrast table(2)

(2) CONTRAST TABLE

A-209R/MYXJ, MVXJ, A-209/MLXJ and SBDXJ are constructed the same except for the following :

Mark	No.	Symbol and Description	Part No.				Remarks
			A-209R /MYXJ	A-209R /MVXJ	A-209 /MLXJ	A-209 /SBDXJ	
	1	Operating Instructions (English)	ARB7236	ARB7236	Not used	Not used	
	2	Operating Instructions (German)	ARC7322	Not used	Not used	Not used	
	3	Operating Instructions (French/Italian/ Dutch/Swedish/Spanish/Portuguese)	ARC7323	Not used	Not used	Not used	
NSP	4	Warranty Card	ARY7022	ARY7022	Not used	Not used	
	5	Remote Control Unit (CU-A019)	AXD7193	AXD7193	Not used	Not used	
	6	Battery Cover	AZN2249	AZN2249	Not used	Not used	
NSP	7	Dry Cell Battery (AA/R6P)	VEM-013	VEM-013	Not used	Not used	
	11	Packing Case	AHD7869	AHD7869	AHD7870	AHD7891	
	14	Operating Instructions (English/Spanish/Chinese)	Not used	Not used	ARE7269	ARE7269	
	15	Caution Label 220V	Not used	Not used	Not used	ARR1003	
	16	AC Plug Adapter	Not used	Not used	Not used	VKX1007	
NSP	17	Air Cap	Not used	AHG1087	Not used	Not used	
⚠	18	Power Cord	ADG1154	Not used	ADG1154	ADG1154	
⚠	19	Power Cord with Fuse	Not used	ADG1156	Not used	Not used	
⚠	20	Fuse (T5A)	Not used	AEK1046	Not used	Not used	

2.2 EXTERIOR


39
26
36
39
39
26
39
39
SBDXJ
Type Only
43
39
15
15
8
4
6
3
MYXJ,
MVXJ
Types Only
35
1
15
15
7
34
37
5
39
28 or 44
25
MYXJ,
MVXJ
Types Only
2
18
41
16
9
17
13
SBDXJ
Type Only
42
38
30
11
39
41
39
39
39
27
47
27
29
40
19
19
23
31
33
23
12
22
31
32
39
23
14
46
39
17
48
46
21
45
MLXJ,
SBDXJ
49
46
14
MYXJ,
MVXJ
21
14
39
39

(1) EXTERIOR PARTS LIST

Mark	No.	Description	Part No.
	1	FRONT L Assy	See Contrast table(2)
	2	FRONT R Assy	See Contrast table(2)
	3	OPT Assy	See Contrast table(2)
	4	AC PRIMARY Assy	See Contrast table(2)
NSP	5	HEADPHONE Assy	AWX7114
	6	VOLUME Assy	See Contrast table(2)
	7	AF Assy	See Contrast table(2)
⚠	8	Fuse (FU1)	See Contrast table(2)
	9	Flexible Cable (19P) (AF CN202-FRONT R CN601)	ADD7032
	10	•••••	
⚠	11	Power Transformer (T1)	See Contrast table(2)
NSP	12	Chassis	ANA7064
	13	Rear Panel	See Contrast table(2)
	14	Insulator	See Contrast table(2)
	15	Screw (3 × 8)	ABA1018
	16	Screw (3 × 8)	ABA1027
	17	Screw (4 × 10)	ABA7047
	18	Nut	ABN-065
	19	PCB Support	AEC7006
	20	•••••	
NSP	21	PCB Holder	AEC7057
NSP	22	Cord Clamp F	AEC7134
	23	PCB Mold	AMR2533
	24	•••••	
NSP	25	Shield Plate	See Contrast table(2)
	26	Screw (3 × 8)	PBA1096
	27	LED Lens	AAK2459
	28	IR Filter	See Contrast table(2)
	29	LED Lens A	AAK7537
	30	Name Plate	PAM1776
	31	Rotary Knob A	AAB7148
	32	Rotary Knob B	AAB7149
	33	Volume Knob	AAB7150
	34	Speaker Button	AAD7435
	35	Power Joint	AAD7439
	36	Bonnet Case	ANE7183
	37	Panel Base	AMB7489
	38	Front Panel	See Contrast table(2)
	39	Screw	BBZ30P080FZK
	40	Screw	BCZ30P060FCC
	41	Nut	NK90FUC
⚠	42	Voltage Selector (S2)	See Contrast table(2)
⚠	43	Fuse (FU2, FU3 : 1.25A)	See Contrast table(2)
	44	PVC Cover	See Contrast table(2)
	45	Foot	See Contrast table(2)
	46	Spacer	ABF7004
	47	Transformer Plate	ANG7312
NSP	48	Sub Frame	ANG7313
	49	Screw	IBZ30P120FCC

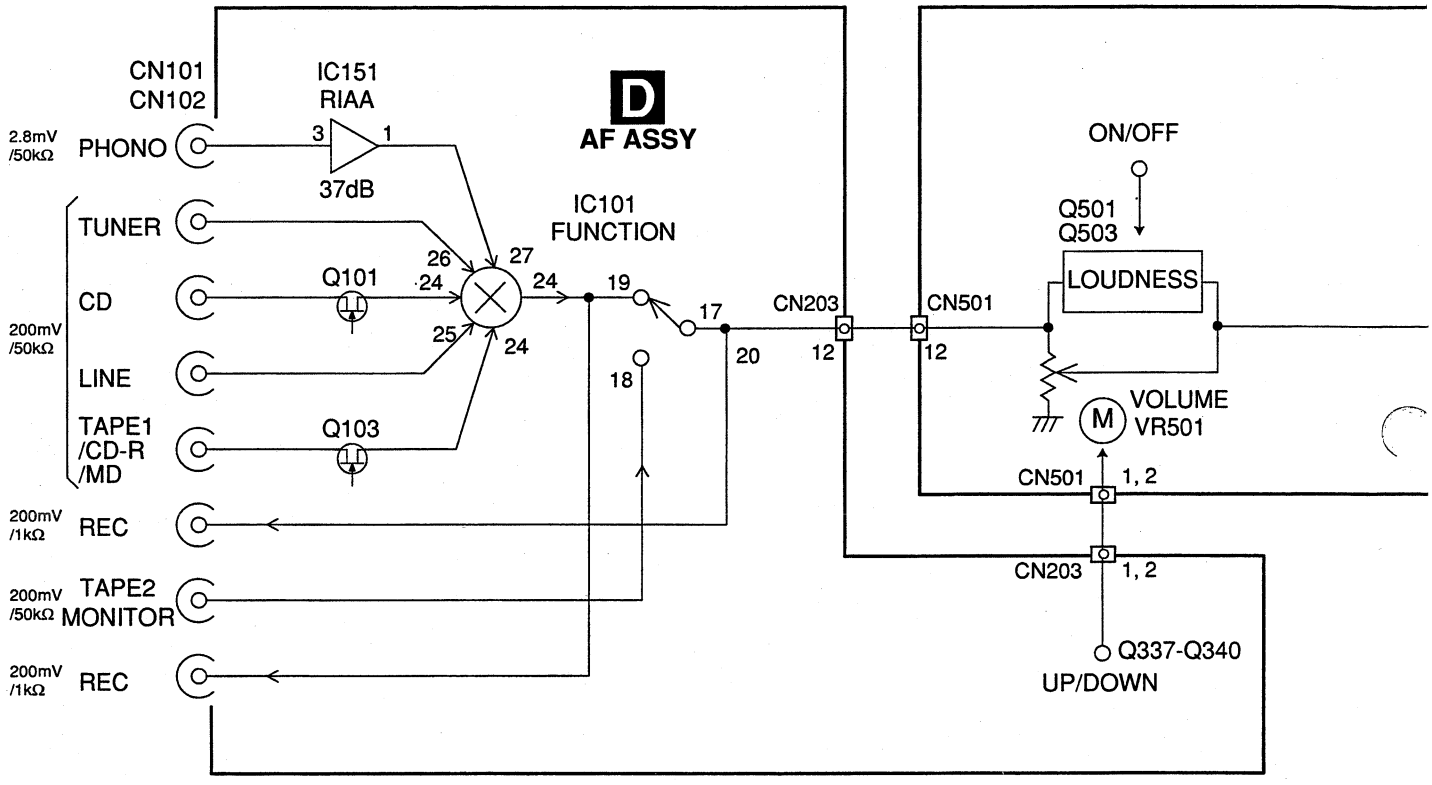
(2) CONTRAST TABLE

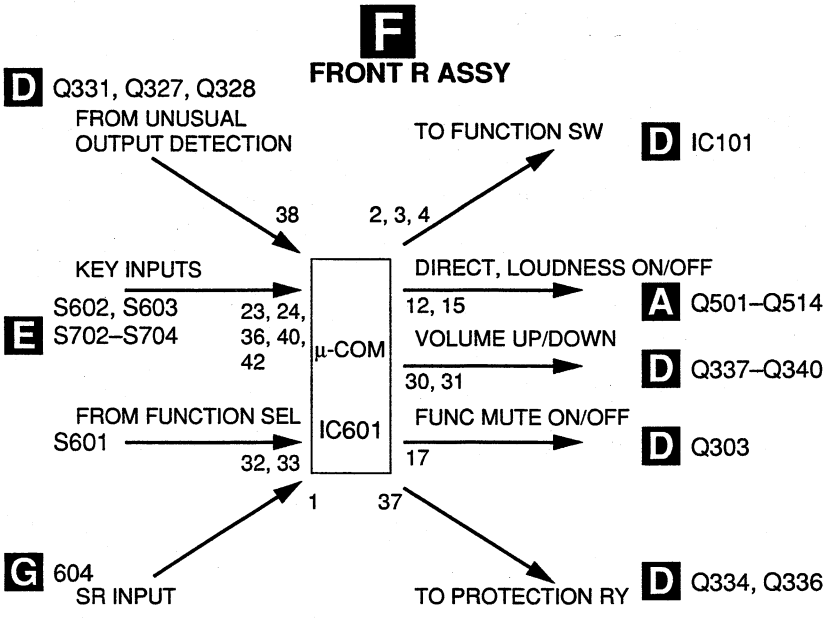
A-209R/MYXJ, MVXJ, A-209/MLXJ and SBDXJ are constructed the same except for the following :

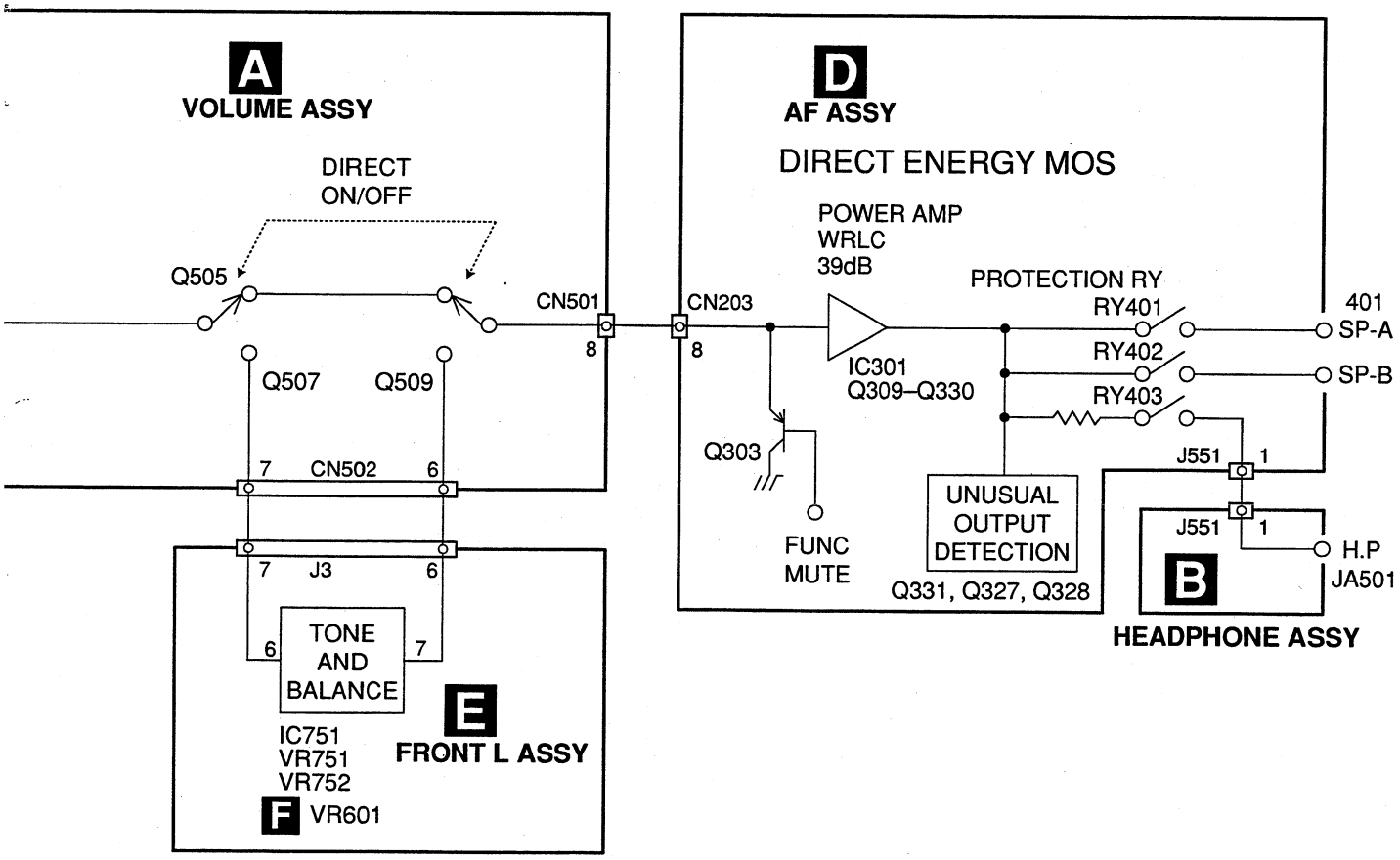
Mark	No.	Symbol and Description	Part No.				Remarks
			A-209R /MYXJ	A-209R /MVXJ	A-209 /MLXJ	A-209 /SBDXJ	
	1	FRONT L Assy	AWX7123	AWX7123	AWX7122	AWX7122	
	2	FRONT R Assy	AWX7124	AWX7124	AWX7121	AWX7121	
	3	OPT Assy	AWX7125	AWX7125	Not used	Not used	
	4	AC PRIMARY Assy	AWX7113	AWX7113	AWX7113	AWX7670	
	6	VOLUME Assy	AWX7118	AWX7118	AWX7112	AWX7112	
	7	AF Assy	AWX7117	AWX7117	AWX7116	AWX7116	
⚠	8	Fuse (FU1 : 1.25A)	REK1023	REK1023	REK1023	Not used	
⚠	8	Fuse (FU1 : 6.3A)	Not used	Not used	Not used	REK1030	
⚠	11	Power Transformer (AC220-230V)	ATS7190	ATS7190	ATS7190	Not used	
⚠	11	Power Transformer (AC110V/120-127V/220V/240V)	Not used	Not used	Not used	ATS7191	
	13	Rear Panel	ANC7925	ANC7925	ANC7927	ANC7928	
	14	Insulator	PNW2766	PNW2766	AMR7198	AMR7198	
NSP	25	Shield Plate	ANK7043	ANK7043	Not used	Not used	
	28	IR Filter	AAK7532	AAK7532	Not used	Not used	
	38	Front Panel	AMB7710	AMB7710	AMB7711	AMB7711	
⚠	42	Voltage Selector (S2)	Not used	Not used	Not used	AKX-507	
⚠	43	Fuse (FU2, FU3 : 1.25A)	Not used	Not used	Not used	REK1023	
	44	PVC Cover	Not used	Not used	AAK7541	AAK7541	
	45	Foot	Not used	Not used	REC1263	REC1263	

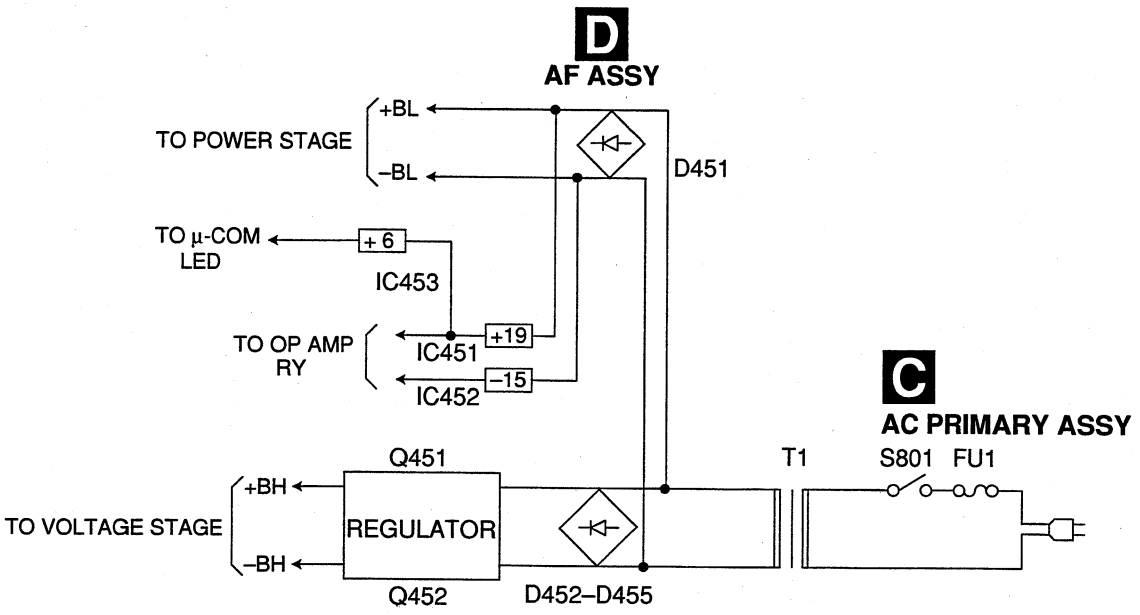
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM

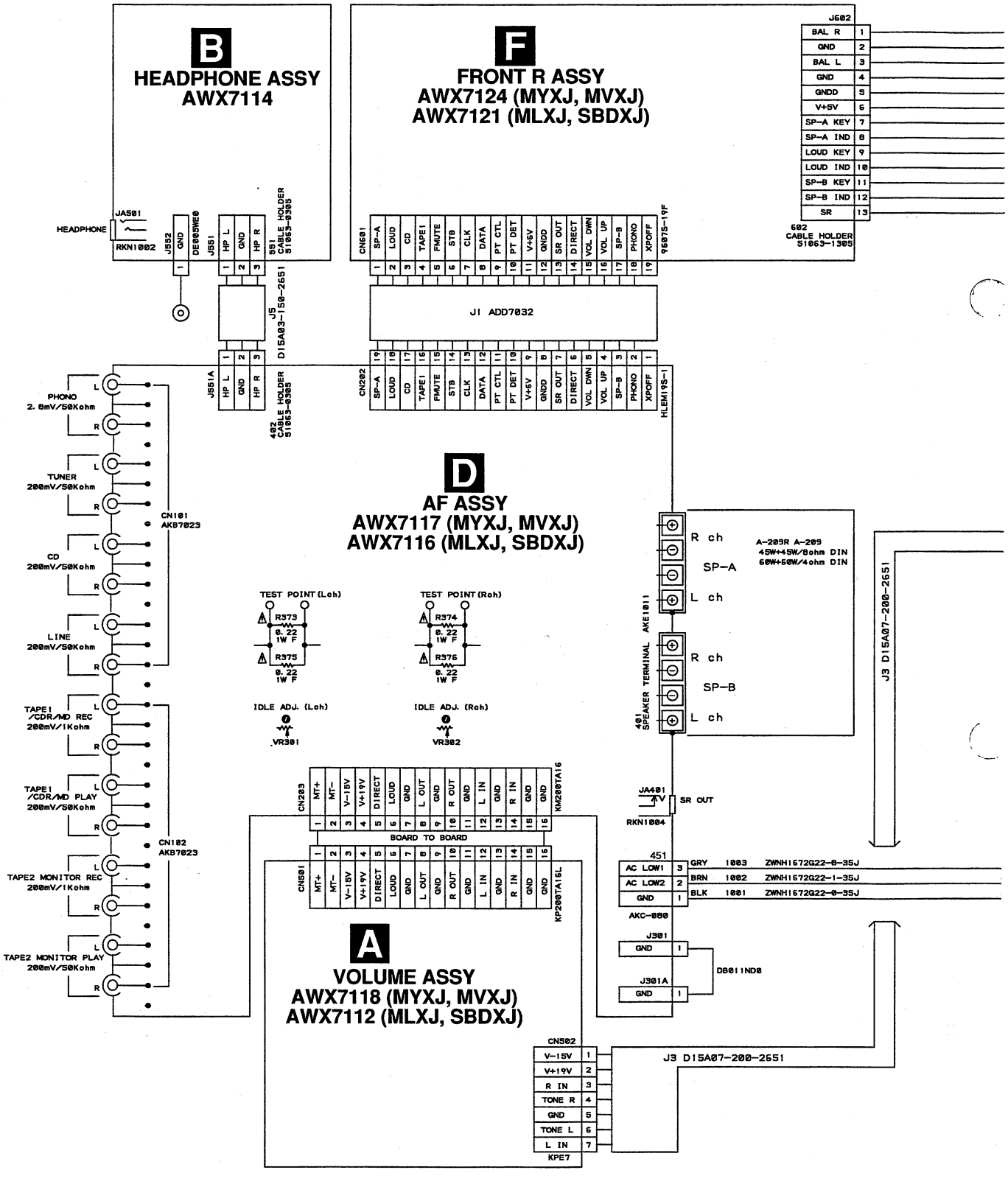




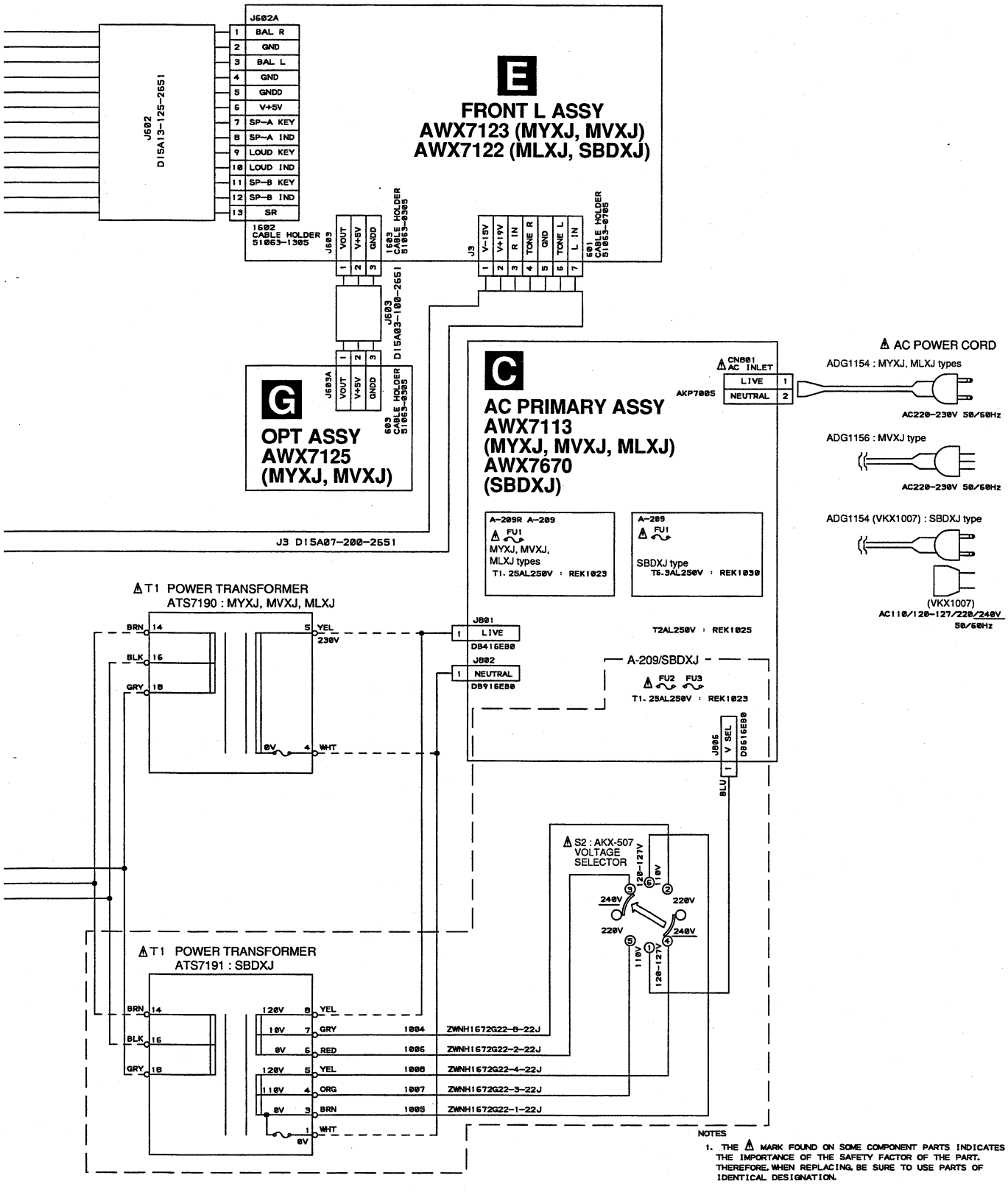

A
VOLUME ASSY
DIRECT
ON/OFF
Q505
CN501
8
Q507
Q509
7
CN502
6
7
J3
6
6
TONE
AND
BALANCE
7
IC751
VR751
VR752
E
FRONT L ASSY
F VR601
D
AF ASSY
DIRECT ENERGY MOS
POWER AMP
WRLC
39dB
CN203
8
IC301
Q309–Q330
PROTECTION RY
RY401
RY402
RY403
401
SP-A
SP-B
Q303
FUNC
MUTE
UNUSUAL
OUTPUT
DETECTION
Q331, Q327, Q328
J551
1
J551
1
H.P
JA501
B
HEADPHONE ASSY


D
AF ASSY
+BL
TO POWER STAGE
–BL
D451
TO μ-COM
LED
+6
IC453
TO OP AMP
RY
IC451
+19
IC452
–15
C
AC PRIMARY ASSY
Q451
T1
S801
FU1
+BH
TO VOLTAGE STAGE
REGULATOR
–BH
Q452
D452–D455

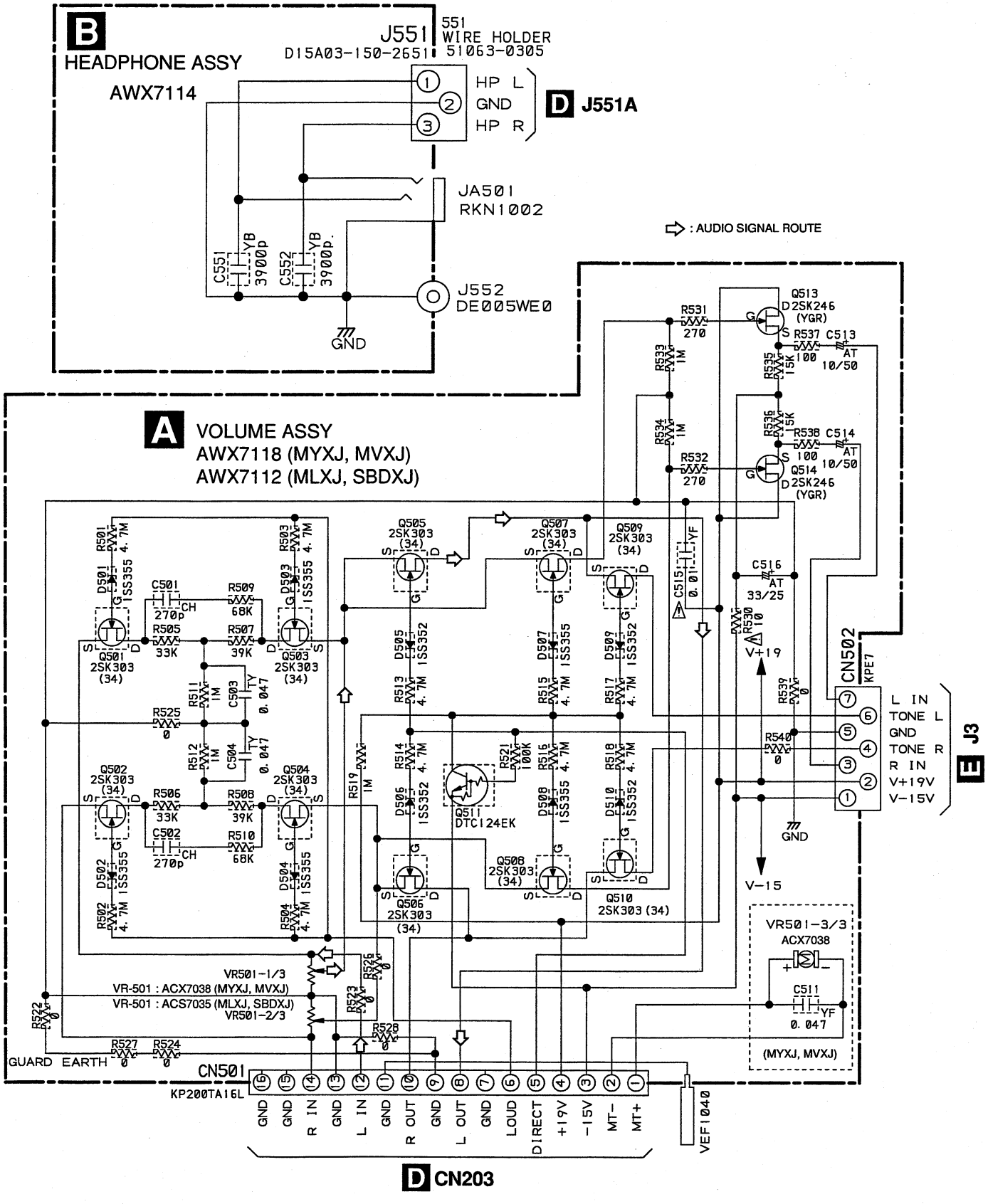
3.2 OVERALL CONNECTION DIAGRAM



Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".



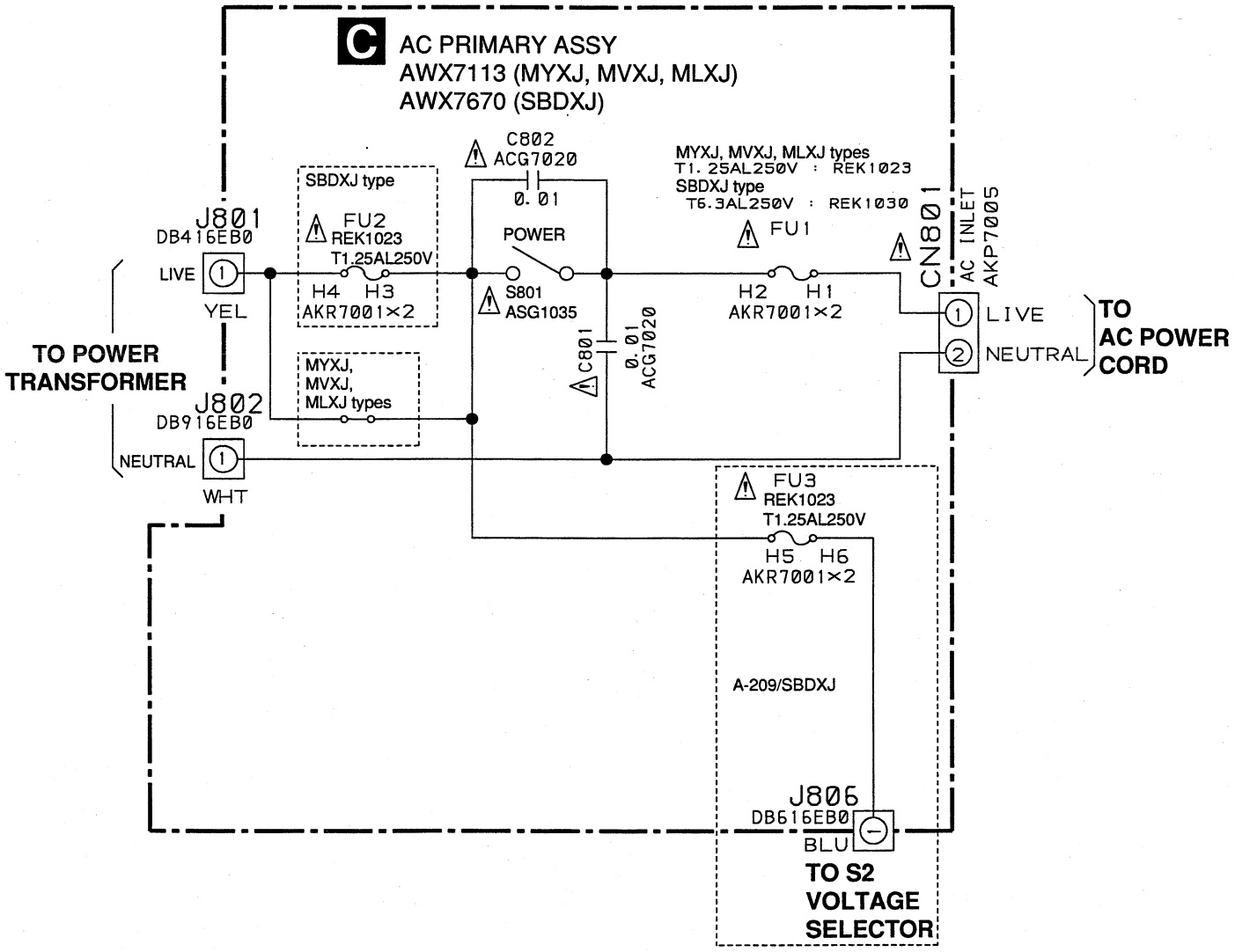
3.3 VOLUME and HEADPHONE ASSYS



3.4 AC PRIMARY ASSY

• NOTE FOR FUSE REPLACEMENT

CAUTION -FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE AND RATINGS ONLY.



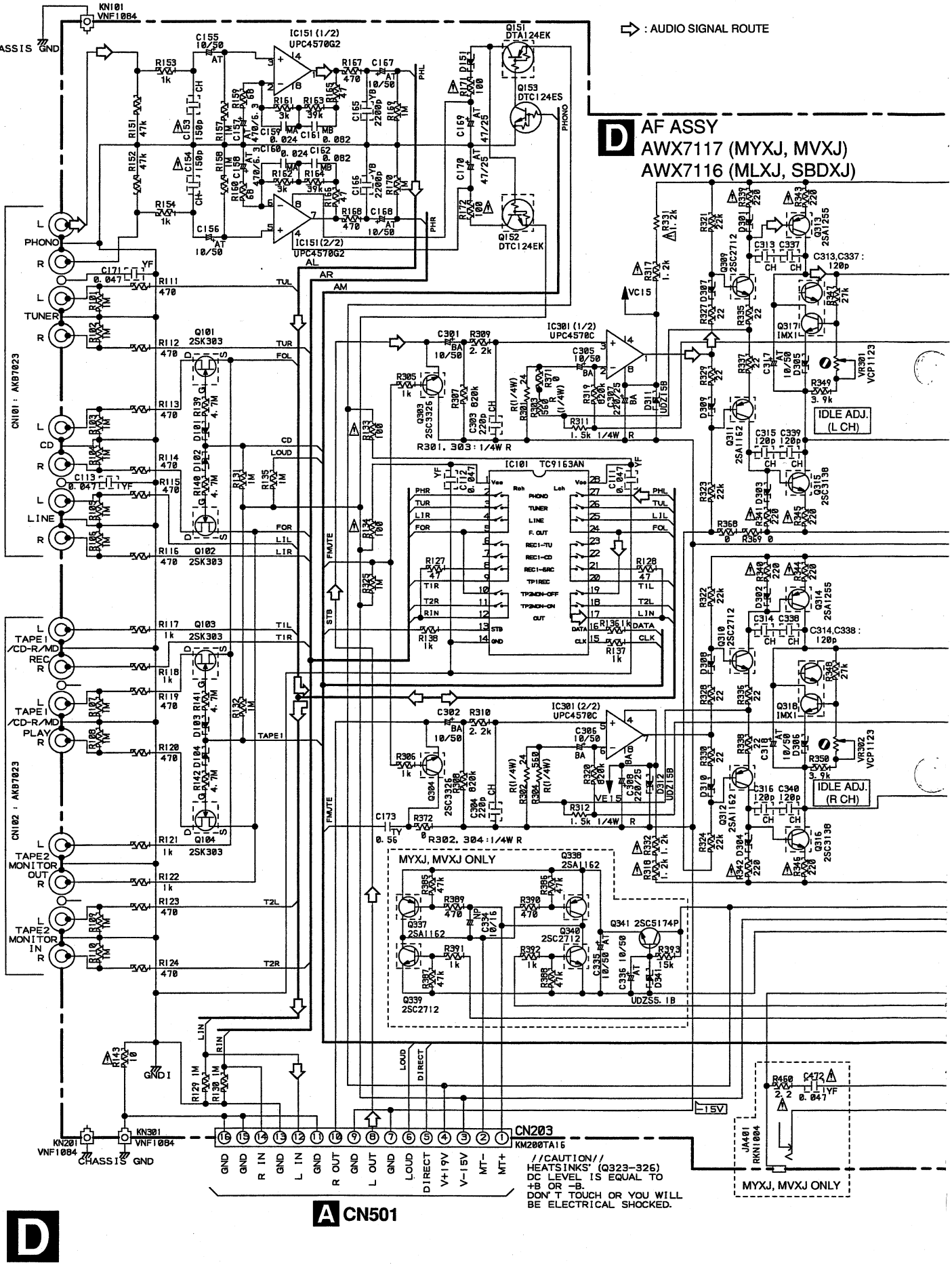
NOTES

1. RESISTORS
INDICATED IN Ohm 1/10W 5% TOLERANCE UNLESS OTHERWISE NOTED
k : kOhm, M : MOhm

2. CAPACITORS
INDICATED IN CAPACITY (uF) /VOLTAGE (V) UNLESS OTHERWISE NOTED p : pF
INDICATED WITHOUT VOLTAGE IS 50V EXCEPT ELECTROLYTIC CAPACITOR.
TY : CFTYA, CH : CCSQCH, YB : CKSQYB, YF : CKSQYF

3. THE ⚠ MARK FOUND ON SOME COMPONENT PARTS INDICATES THE IMPORTANCE OF THE SAFETY FACTOR OF THE PART. THEREFORE, WHEN REPLACING, BE SURE TO USE PARTS OF IDENTICAL DESIGNATION.

3.5 AF ASSY


D AF ASSY
AWX7117 (MYXJ, MVXJ)
AWX7116 (MLXJ, SBDXJ)
: AUDIO SIGNAL ROUTE
KN101 VNF1084
CHASSIS GND
IC151 (1/2) UPC4570G2
IC151(2/2) UPC4570G2
Q151 DTA124EK
Q153 DTC124ES
Q152 DTC124EK
PHONO
TUNER
CD
LINE
TAPE1 /CD-R/MD REC
TAPE1 /CD-R/MD PLAY
TAPE2 MONITOR OUT
TAPE2 MONITOR IN
CN101 : AKB7023
CN102 : AKB7023
Q101 2SK303
Q102 2SK303
Q103 2SK303
Q104 2SK303
IC101 TC9163AN
IC301 (1/2) UPC4570C
IC301 (2/2) UPC4570C
R301, 303: 1/4W R
R302, 304: 1/4W R
IDLE ADJ. (L CH)
IDLE ADJ. (R CH)
C313,C337 : 120p
C314,C338 : 120p
MYXJ, MVXJ ONLY
Q337 2SA1162
Q338 2SA1162
Q339 2SC2712
Q340 2SC2712
Q341 2SC5174P
UDZS5.1B
-15V
KN201 VNF1084
KN301 VNF1084
CHASSIS GND
GND1
CN203 KM200TA16
GND GND R IN GND L IN GND R OUT GND L OUT GND LOUD DIRECT V+19V V-15V MT- MT+
A CN501
//CAUTION// HEATSINKS' (Q323-326) DC LEVEL IS EQUAL TO +B OR -B. DON'T TOUCH OR YOU WILL BE ELECTRICAL SHOCKED.
JA401 RKN1004
MYXJ, MVXJ ONLY

NOTES
1. RESISTORS
INDICATED IN Ohm 1/10W ±5% TOLERANCE UNLESS OTHERWISE NOTED
k : kOhm, M : MOhm, F : NON-FRAMABLE TYPE, R : RDR TYPE
2. CAPACITORS
INDICATED IN CAPACITY (uF) / VOLTAGE (V) UNLESS OTHERWISE NOTED p : pF
INDICATED WITHOUT VOLTAGE IS 50V EXCEPT ELECTROLYTIC CAPACITOR.
MA : CQMA, MB : CQMBA, TY : CFTYA, CH : CCSQCH, SL : CCSQSL, YB : CKSQYB, YF : CKSQYF
BA : CEBA
3. INDUCTORS
INDICATED IN H ± 5%
4. DIODES
NO MARK DIODES ARE 1SS355
5. VOLTAGE
INDICATED IN DC VOLTAGE : NO SIGNAL / DIN POWER OUTPUT (A-D3 : NO SIGNAL / 80W×2ch 4ohm)
6. THE ⚠ MARK FOUND ON SOME COMPONENT PARTS INDICATES THE IMPORTANCE OF THE SAFETY FACTOR OF THE PART. THEREFORE, WHEN REPLACING, BE SURE TO USE PARTS OF IDENTICAL DESIGNATION.
7. TRNSISTOR'S RANK
2SC3138 : (OY) 2SC2712 : (OY) 2SC3326 : (AB)
2SA1255 : (OY) 2SA1162 : (OY) 2SK303 : (34)

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. 491001 MFD, BY LITTELFUSE INK. FOR IC454 (AEK7009).

C451	ACH7080 (6800/42)
C452	ACH7081 (6800/42)

TO POWER TRANSFORMER

AC LOW1
AC LOW2
GND

CHASSIS GND

SP-A : OFF/ON 0V/5V
SP-B : OFF/ON 0V/5V

SP-B
SP-A
401 AKE1011 (8P) SP TERMINAL

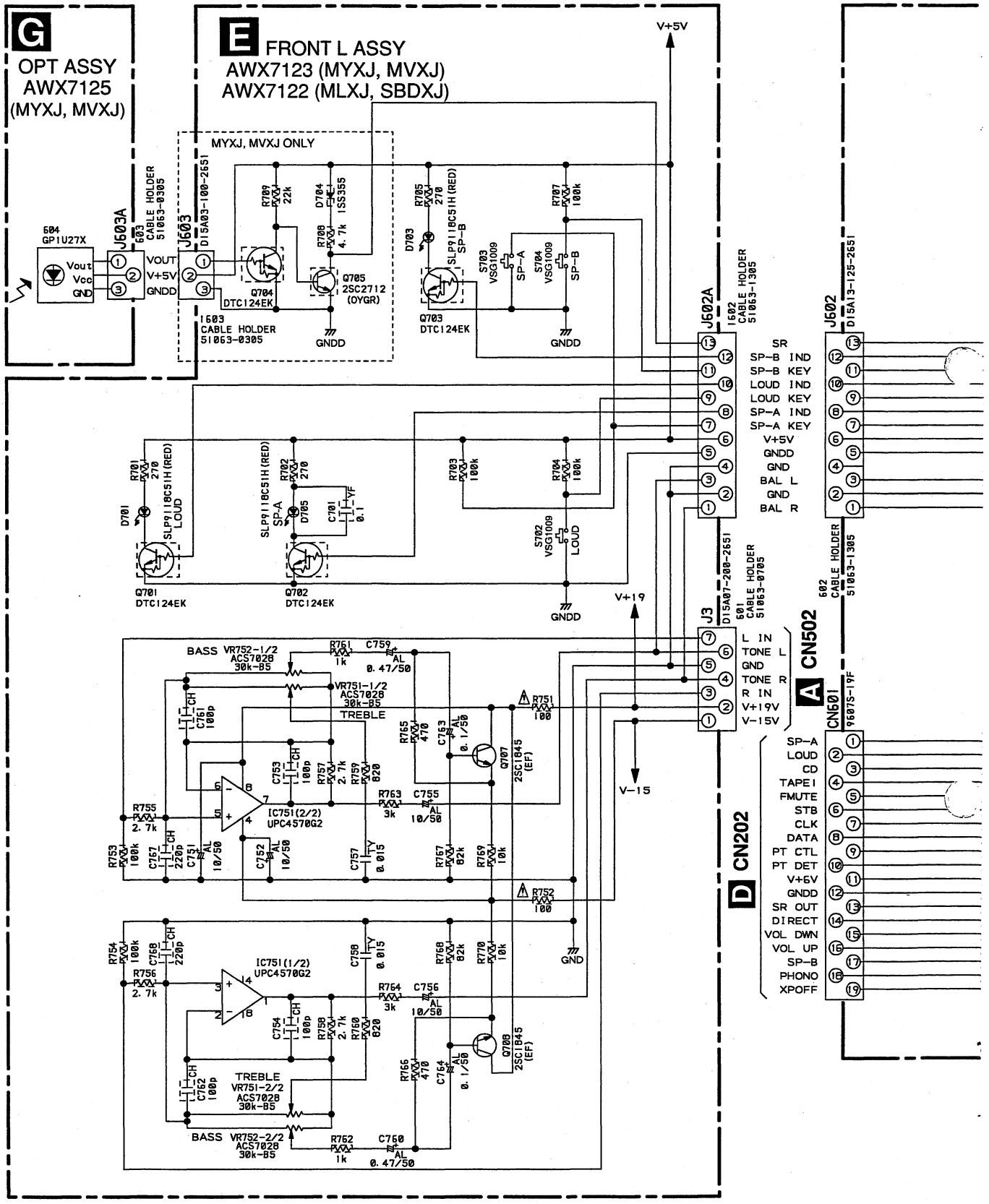
HLEM19S-1 CN202

XPOFF PHONO SP-B VOL UP VOL DWN DIRECT SR OUT GND D V+6V PT DET PT CTL DATA CLK STB F MUTE TAPE1 CD LOUD SP-A

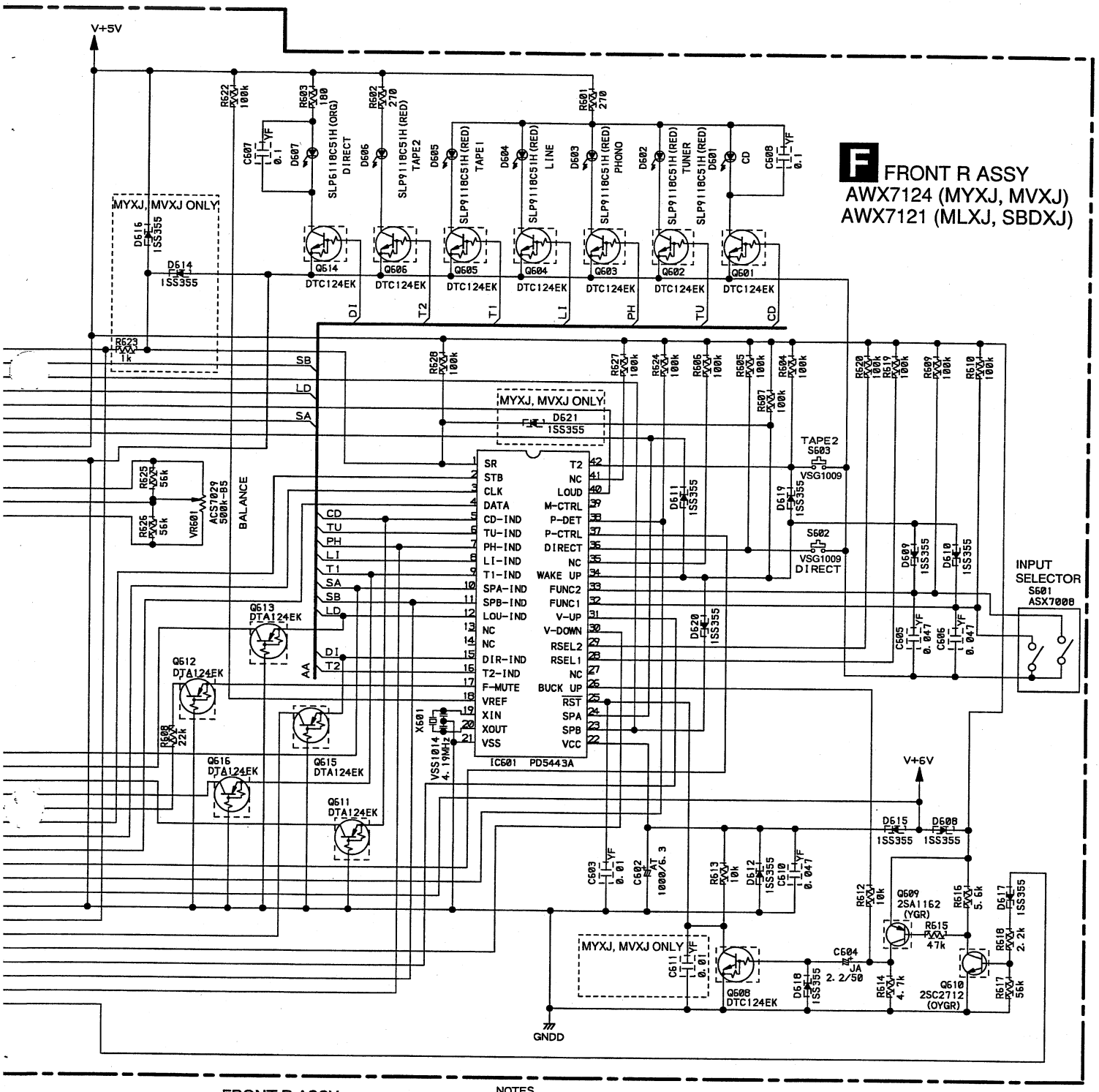
F CN601

B J551

3.6 FRON L, FRONT R and OPT ASSYS



FRONT L ASSY
S702 : LOUDNESS
S703 : SPEAKER A
S704 : SPEAKER B



FRONT R ASSY
S601 : INPUT SELECTOR
- CD
- TUNER
- PHONE
- LINE
- TAPE1/CD-R/MD

S602 : DIRECT
S603 : TAPE2 MONITOR

NOTES

1. RESISTORS
   INDICATED IN Ohm 1/10W± 5% TOLERANCE UNLESS OTHERWISE NOTED
   k : kOhm
2. CAPACITORS
   INDICATED IN CAPACITY (uF) / VOLTAGE (V) UNLESS OTHERWISE NOTED p : pF
   INDICATED WITHOUT VOLTAGE IS 50V EXCEPT ELECTROLYTIC CAPACITOR.
   AL : CEAL, AT : CEAT, JA : CEJA, TY : CFTYA, CH : CCSQCH, YF : CKSQYF
3. THE ⚠ MARK FOUND ON SOME COMPONENT PARTS INDICATES THE IMPORTANCE OF THE SAFETY FACTOR OF THE PART.
   THEREFORE, WHEN REPLACING, BE SURE TO USE PARTS OF IDENTICAL DESIGNATION.

4. PCB CONNECTION DIAGRAM

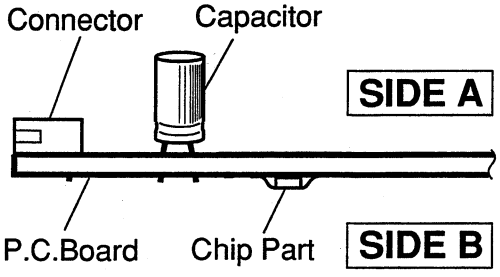
4.1 VOLUME ASSY

NOTE FOR PCB DIAGRAMS :

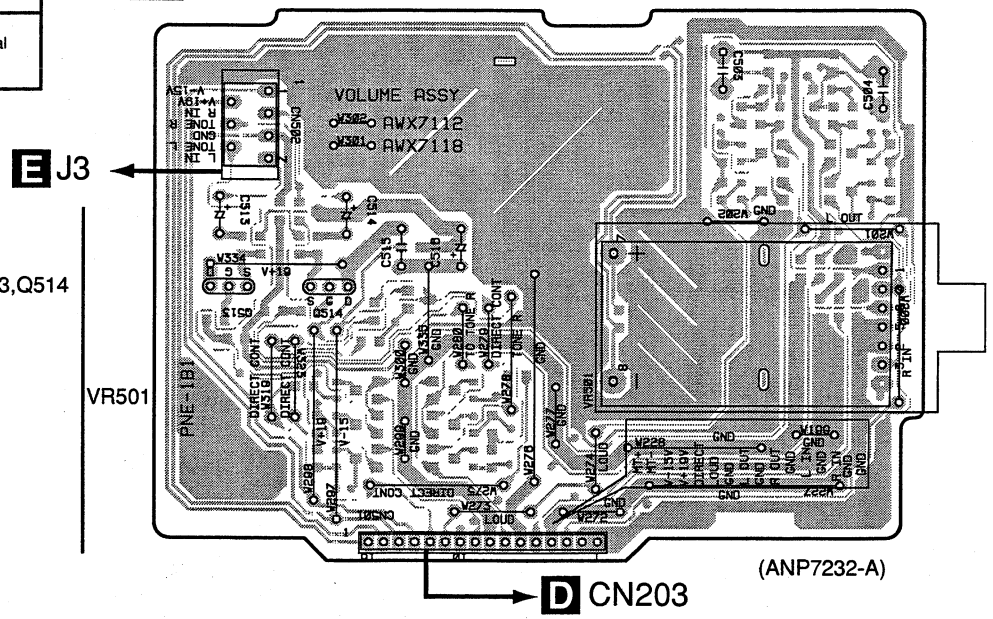
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

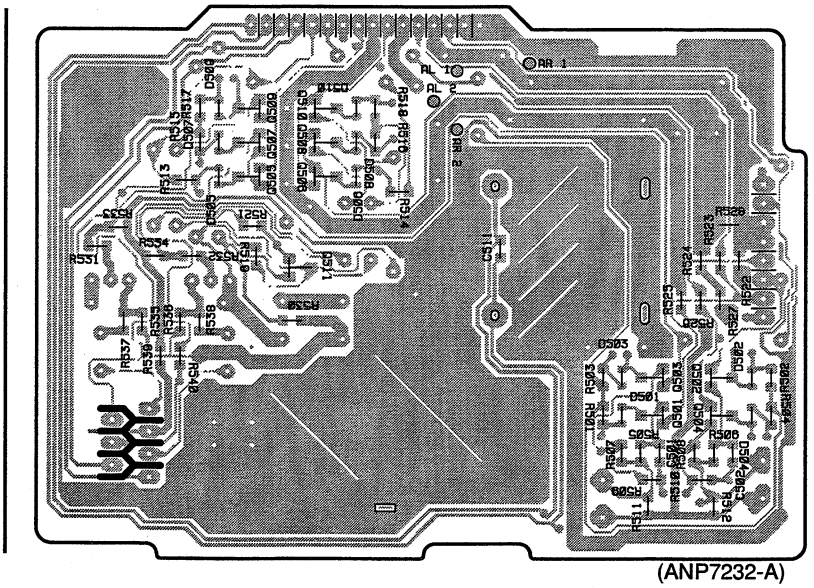
3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.



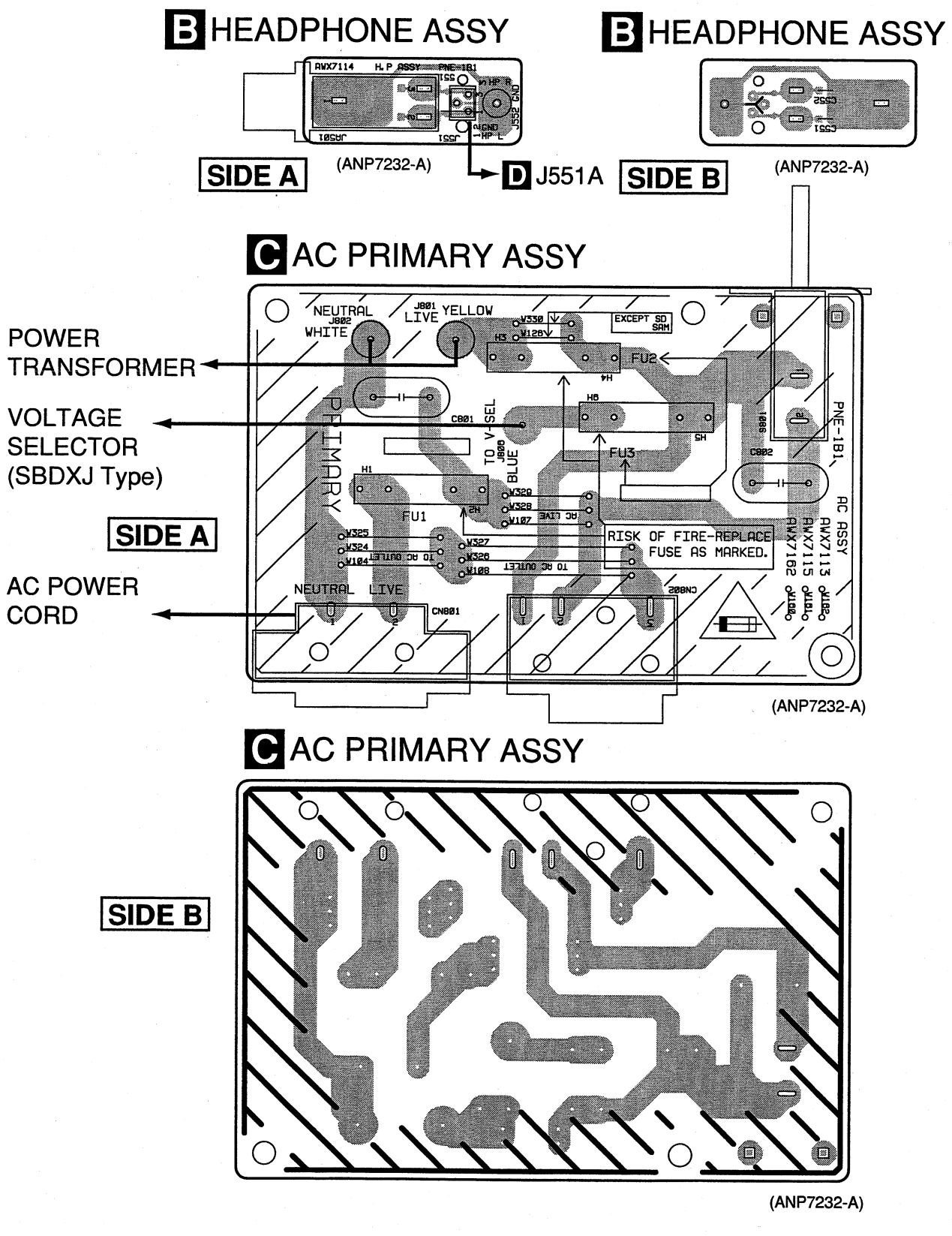
A VOLUME ASSY



A VOLUME ASSY

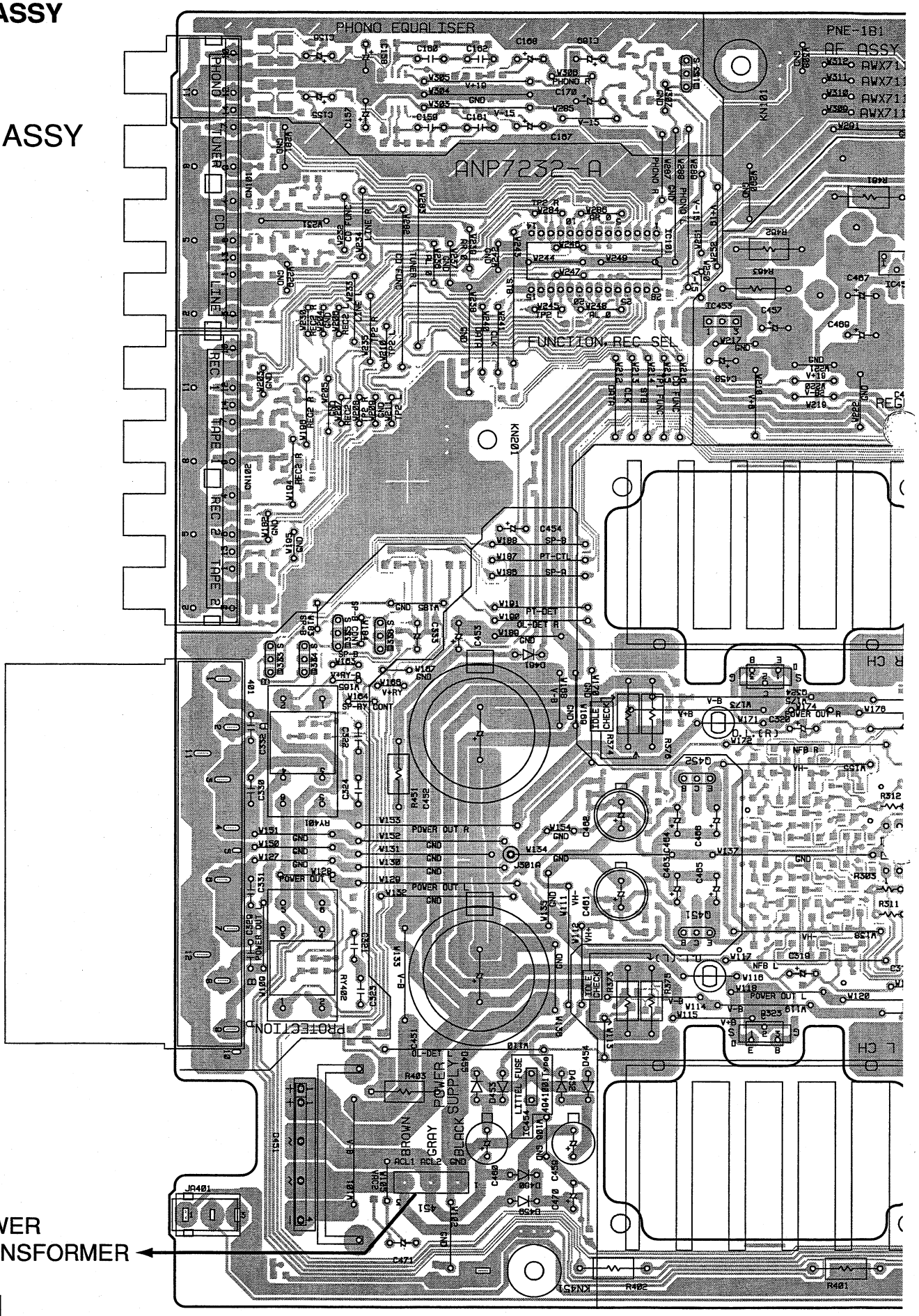


4.2 HEADPHONE and AC PRIMARY ASSYS



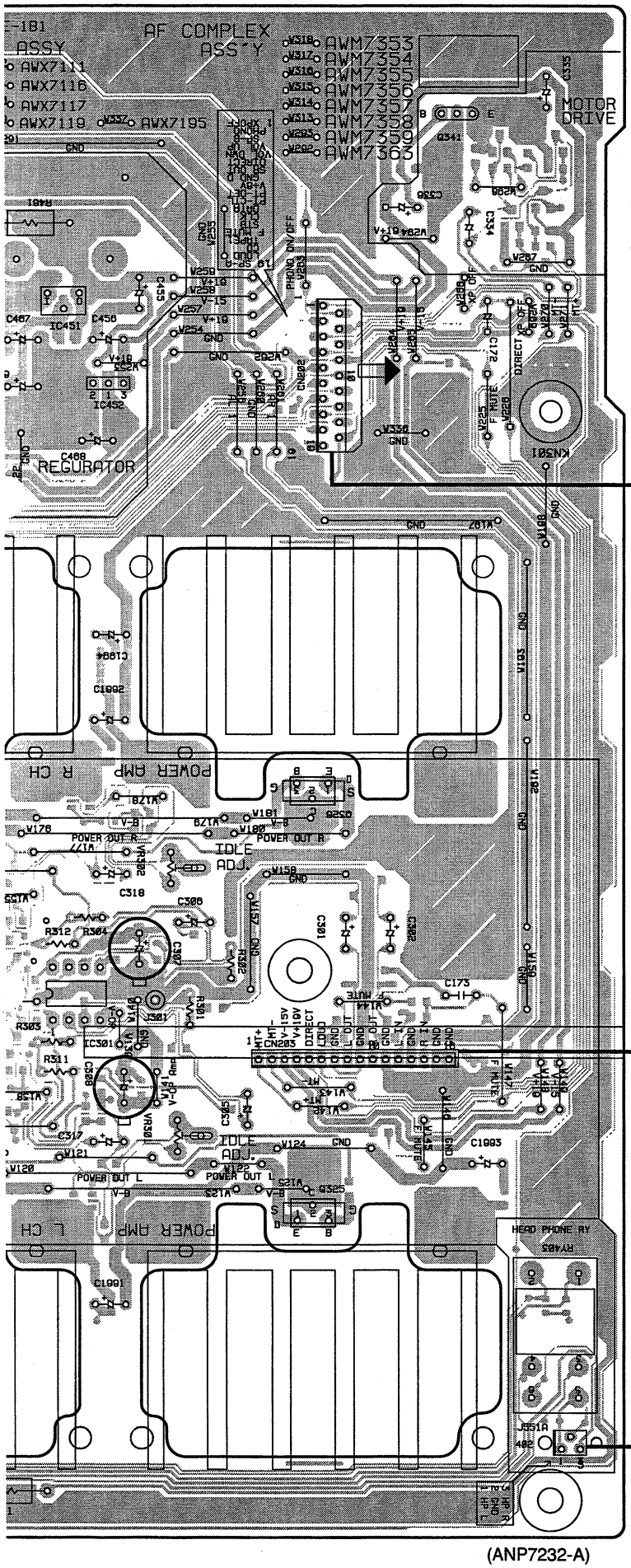
4.3 AF ASSY

D AF ASSY



POWER TRANSFORMER

SIDE A



(ANP7232-A)

Q153

Q341

IC101

IC451-IC453

Q333-Q336

Q324,Q326

VR302

Q452

IC301

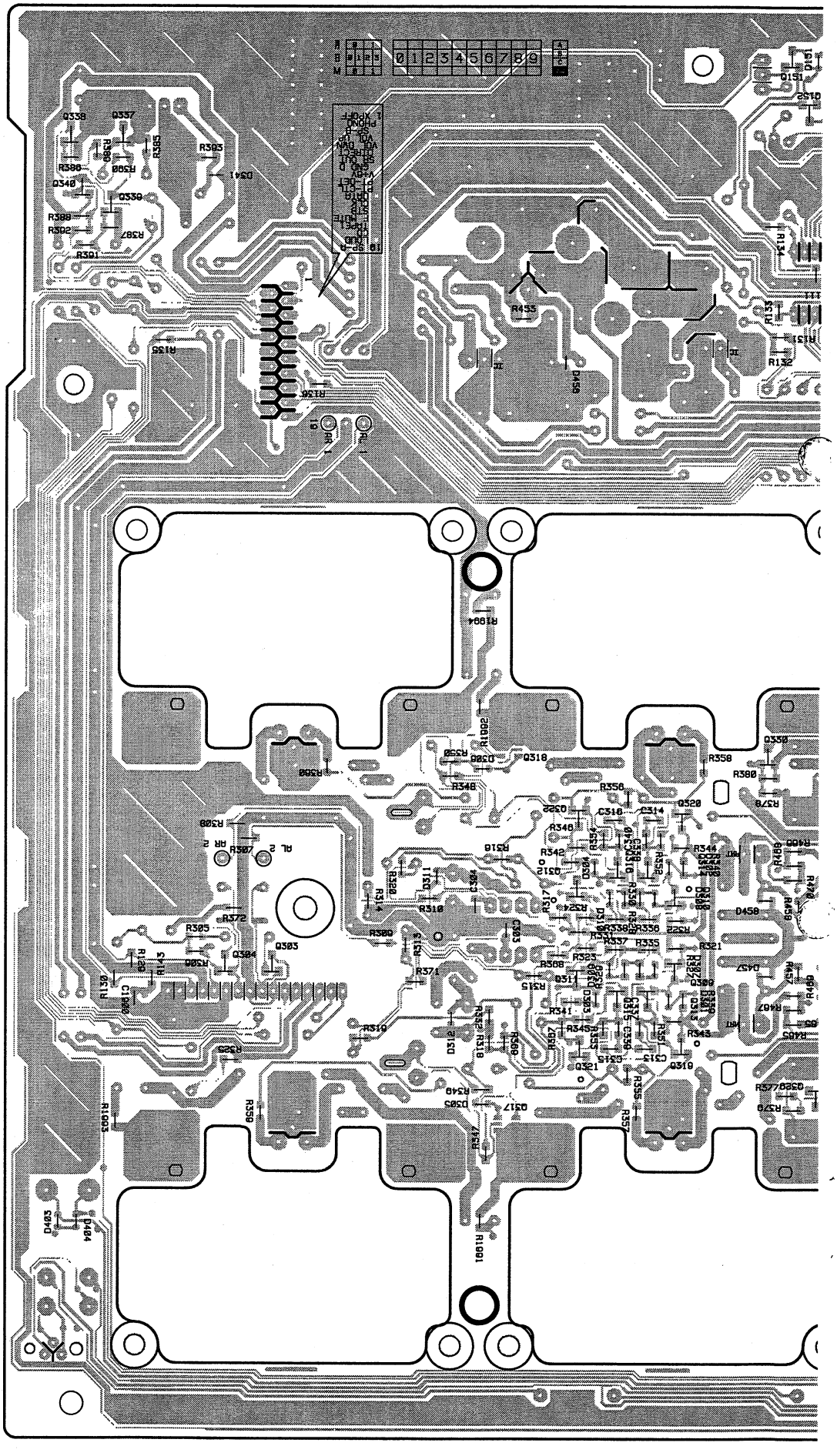
Q451

VR301

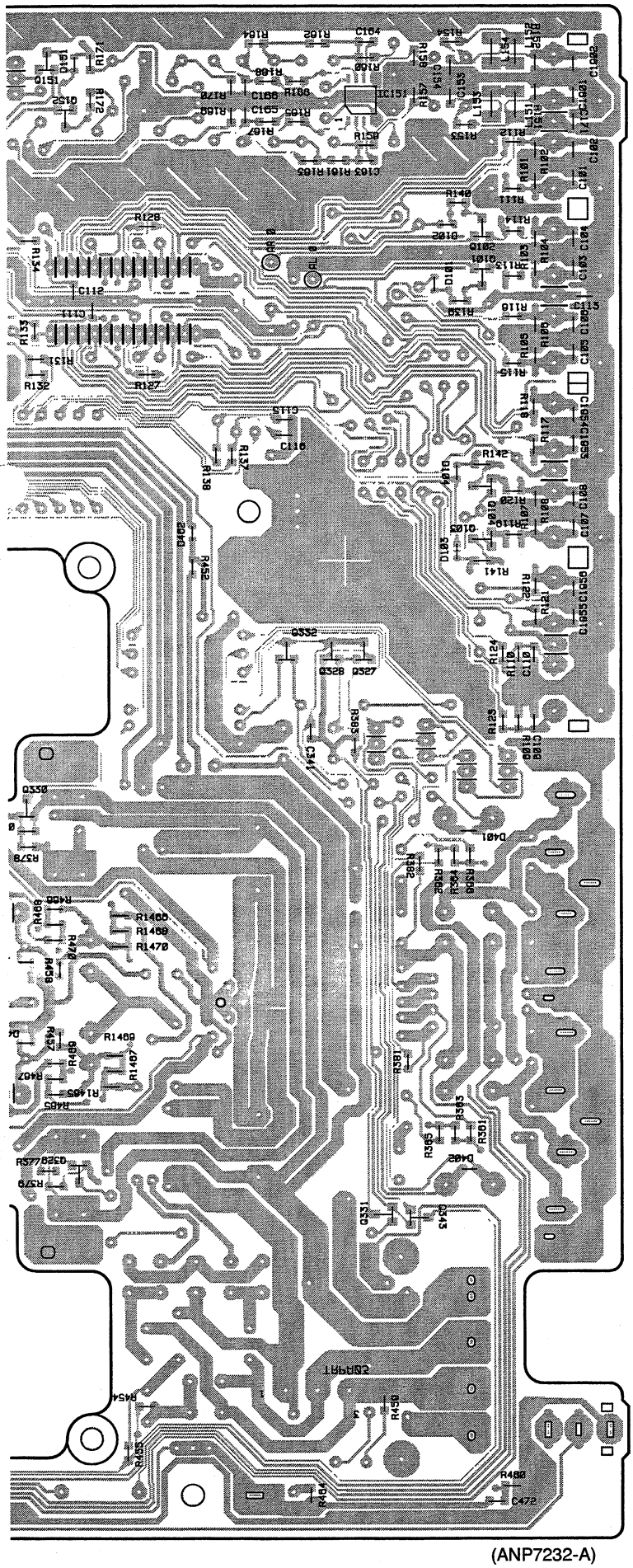
Q323,Q325

IC454

D AF ASSY



SIDE B



(ANP7232-A)

Q151
IC151
Q152
Q338,Q337

Q340,Q339

Q102

Q101

Q104

Q103

Q332
Q328,Q327

Q318,Q330

Q322,Q320

Q316,Q314

Q312,Q310

Q304,Q303
Q311,Q309
Q315,Q313

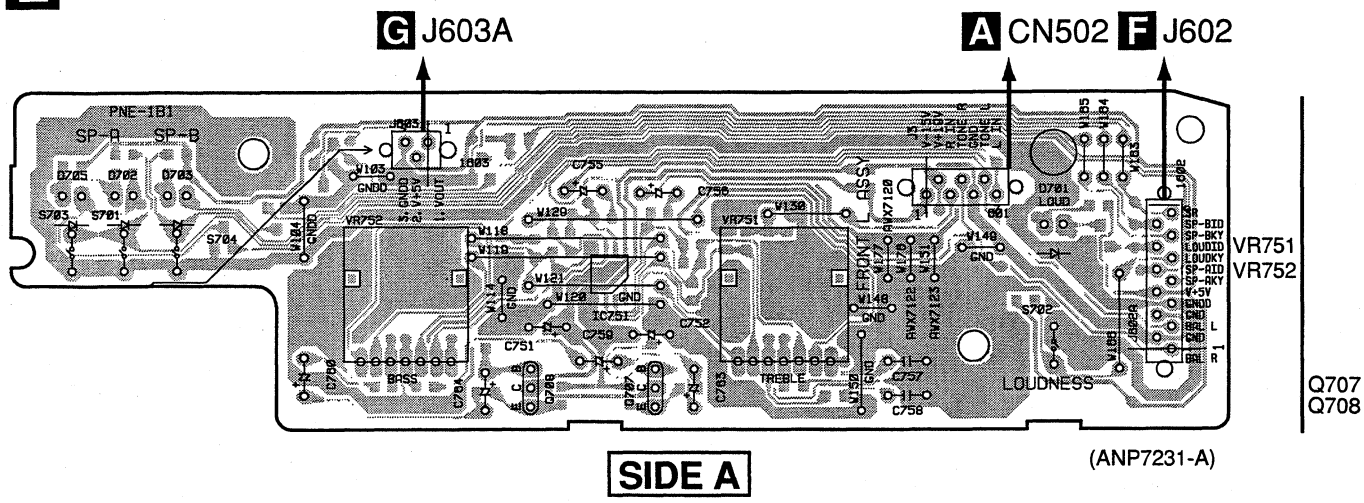
Q321,Q319

Q317,Q329

Q331,Q343

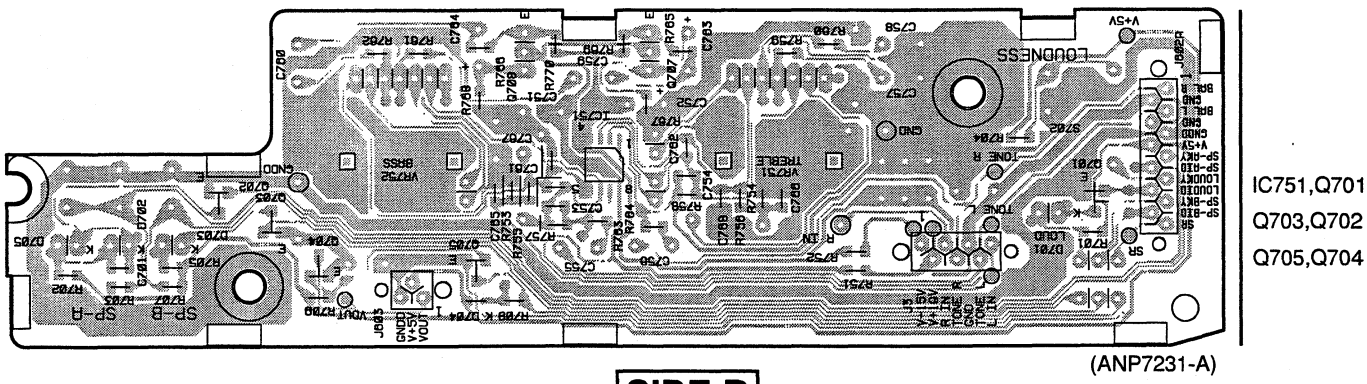
4.4 FRONT L ASSY

E FRONT L ASSY



SIDE A

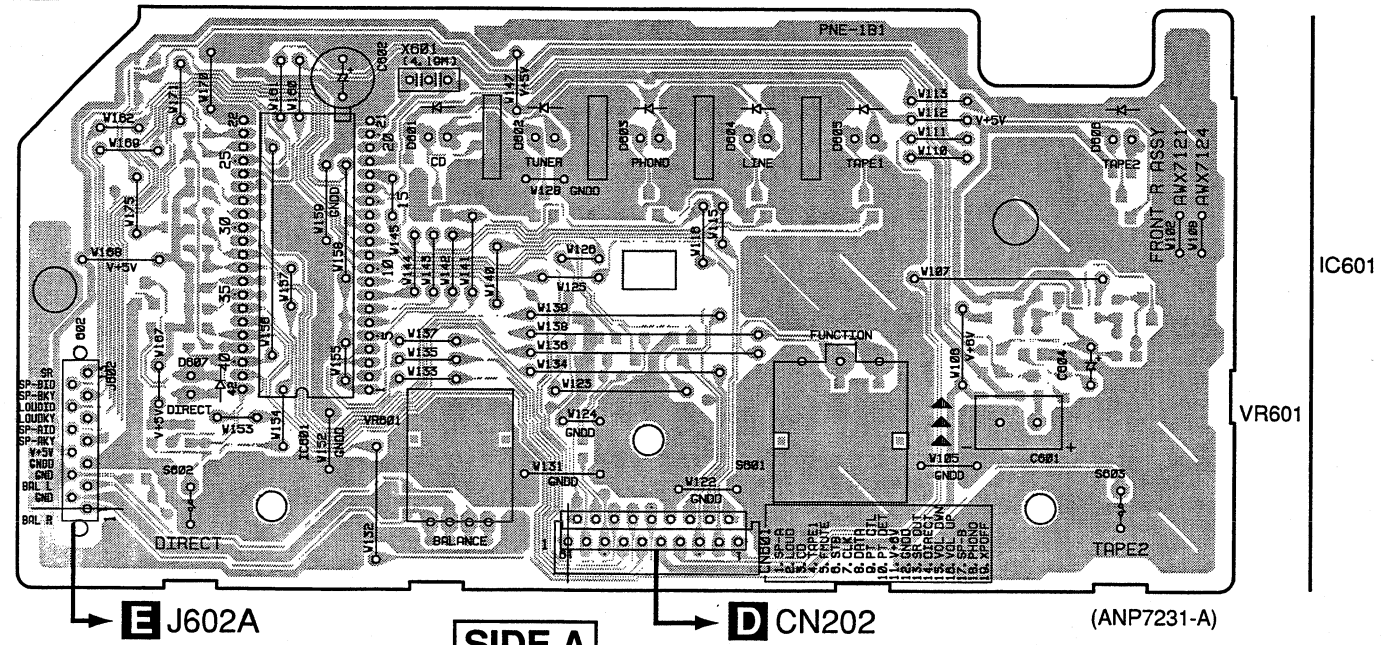
E FRONT L ASSY



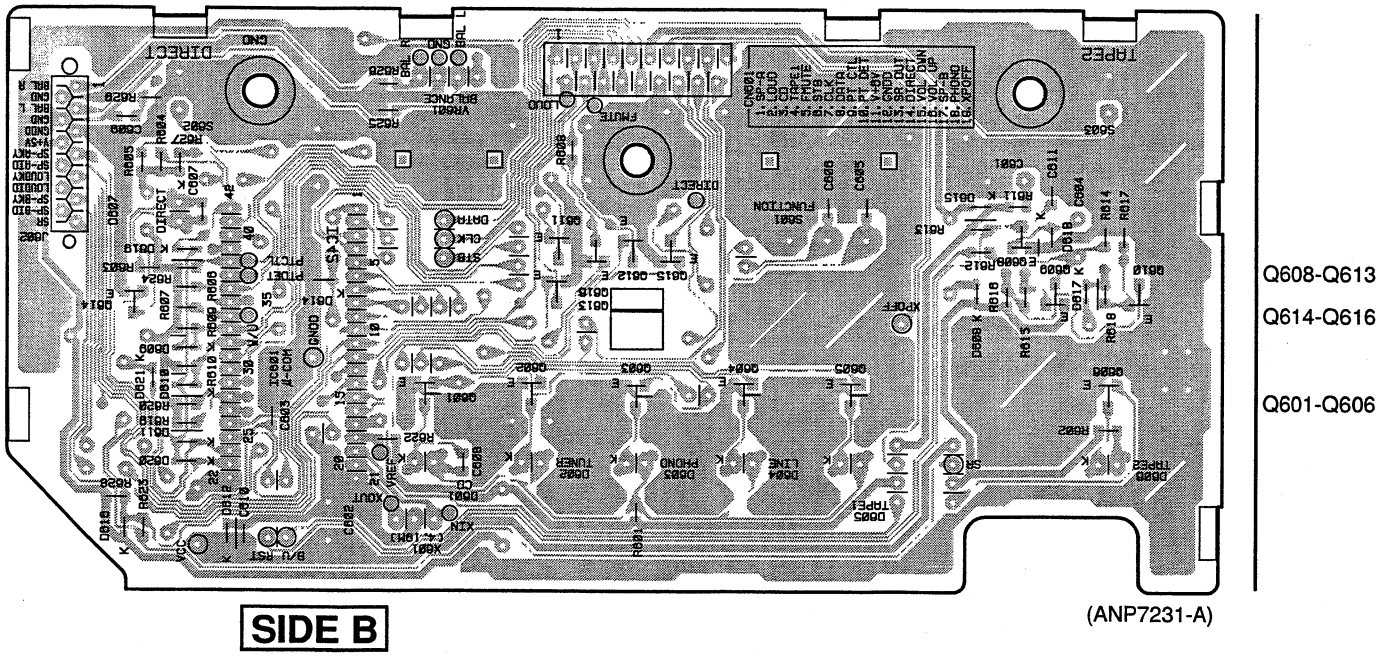
SIDE B

4.5 FRONT R and OPT ASSYS

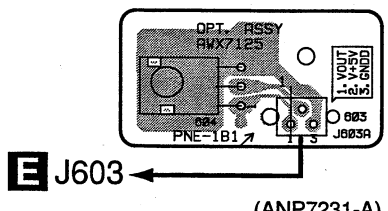
F FRONT R ASSY



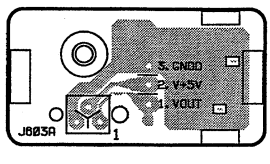
F FRONT R ASSY



G OPT ASSY



G OPT ASSY



5. PCB PARTS LIST

NOTES: ●*Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
●*The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
●*When ordering resistors, first convert resistance values into code form as shown in the following examples.*
Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).
560 Ω → 56 × 10¹ → 561 ..... RD1/4PU 5 6 1 J
47k Ω → 47 × 10³ → 473 ..... RD1/4PU 4 7 3 J
0.5 Ω → R50 ..... RN2H R 5 0 K
1 Ω → 1R0 ..... RS1P 1 R 0 K
Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62k Ω → 562 × 10¹ → 5621 ..... RN1/4PC 5 6 2 1 F

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	Part No. A-209R /MYXJ	A-209R /MVXJ	A-209 /MLXJ	A-209 /SBDXJ	Remarks
NSP	AF COMPLEX ASSY	AWM7357	AWM7357	AWM7355	AWM7511	
	├ VOLUME ASSY	AWX7118	AWX7118	AWX7112	AWX7112	
NSP	├ HEADPHONE ASSY	AWX7114	AWX7114	AWX7114	AWX7114	
	├ AC PRIMARY ASSY	AWX7113	AWX7113	AWX7113	AWX7670	
	└ AF ASSY	AWX7117	AWX7117	AWX7116	AWX7116	
NSP	CONTROL ASSY	AWG7013	AWG7013	AWG7012	AWG7012	
	├ FRONT L ASSY	AWX7123	AWX7123	AWX7122	AWX7122	
	├ FRONT R ASSY	AWX7124	AWX7124	AWX7121	AWX7121	
	└ OPT ASSY	AWX7125	AWX7125	Not used	Not used	

A VOLUME ASSY

(1) CONTRAST TABLE

AWX7118 and AWX7112 are constructed the same except for the following :

Mark	Symbol and Description	Part No. AWX7118	Part No. AWX7112	Remarks
	C511	CKSQYF473Z50	Not used	
	VR501	ACX7038	ACS7035	

(2) PARTS LIST FOR AWX7118

SEMICONDUCTORS

Mark	No.	Description	Part No.
	Q513,Q514		2SK246
	Q501-Q510		2SK303
	Q511		DTC124EK
	D505,D506,D509,D510		1SS352
	D501-D504,D507,D508		1SS355

CAPACITORS

Mark	No.	Description	Part No.
	C501,C502		CCSQCH271J50
	C513,C514		CEAT100M50
	C516		CEAT330M25
	C503,C504		CFTYA473J50
⚠	C515		CKCYF103Z50
	C511		CKSQYF473Z50

RESISTORS

Mark	No.	Description	Part No.
⚠	R530		RS1/10S100J
	VR501		ACX7038
	Other Resistors		RS1/10S□□□J

OTHERS

Mark	No.	Description	Part No.
	CN501	16P SOCKET	KP200TA16L
	CN502	CONNECTOR 7P	KPE7
		PCB BINDER	VEF1040

B HEADPHONE ASSY

CAPACITORS

Mark	No.	Description	Part No.
	C551,C552		CKSQYB392K50

OTHERS

Mark	No.	Description	Part No.
		3P CABLE HOLDER	51063-0305
	J552	CORD WITH PLUG	DE005WE0
	JA501	HEADPHONE JACK	RKN1002
	J551	JUMPER WIRE	D15A03-150-2651

C AC PRIMARY ASSY

(1) CONTRAST TABLE

AWX7113 and AWX7670 are constructed the same except for the following :

Mark	Symbol and Description	Part No. AWX7113	Part No. AWX7670	Remarks
	H3-H6 FUSE CLIP	Not used	AKR7001	
NSP	J806	Not used	DB616EB0	

(2) PARTS LIST FOR AWX7113

SWITCH

Mark	No.	Description	Part No.
⚠	S801		ASG1035

Mark	No.	Description	Part No.
CAPACITORS			
⚠	C801,C802 (0.01μF/AC250V)		ACG7020
OTHERS			
⚠	CN801	AC INLET	AKP7005
	H1,H2	FUSE CLIP	AKR7001

D AF ASSY

(1) CONTRAST TABLE

AWX7117 and AWX7116 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7117	AWX7116	
	Q337, Q338	2SA1162	Not used	
	Q339, Q340	2SC2712	Not used	
	Q341	2SC5174P	Not used	
	D341	UDZS5.1B	Not used	
	C334	CEANP100M16	Not used	
	C335, C336	CEAT100M50	Not used	
⚠	C472	CKSQYF473Z50	Not used	
	R385–R388	RS1/10S473J	Not used	
	R389, R390	RS1/10S471J	Not used	
	R391, R392	RS1/10S102J	Not used	
	R393	RS1/10S153J	Not used	
⚠	R460	RS1/10S2R2J	Not used	
	JA401 REMOTE CONTROL JACK	RKN1004	Not used	

(2) PARTS LIST FOR AWX7117

Mark	No.	Description	Part No.
SEMICONDUCTORS			
⚠	IC454 (1A)		AEK7009
⚠	IC453		BA178M06T
⚠	IC451		BA178M15T
⚠	IC452		NJM79M15FA
	IC101		TC9163AN
	IC301		UPC4570C
	IC151		UPC4570G2
	Q311,Q312,Q329,Q330		2SA1162
	Q337,Q338		2SA1162
	Q313,Q314,Q321,Q322		2SA1255
⚠	Q452		2SA1837
	Q309,Q310,Q327,Q328		2SC2712
	Q339,Q340		2SC2712
	Q315,Q316,Q319,Q320		2SC3138
	Q303,Q304		2SC3326
⚠	Q451		2SC4793
	Q341		2SC5174P
	Q101-Q104		2SK303
	Q151		DTA124EK
	Q152		DTC124EK
	Q153		DTC124ES
	Q331,Q332,Q343		DTC143EK
	Q333-Q336		DTC143ES
	Q317,Q318		IMX1
⚠	Q323,Q324		IRF530(S)
⚠	Q325,Q326		IRF9530(S)
	D101-D104,D151,D301-D310		1SS355
	D401-D404		1SS355
⚠	D451		D5SBA20
⚠	D452-D455,D459,D460		S5566G(TPB2)
	D461		S5566G(TPB2)
	D311,D312		UDZ15B
	D457,D458		UDZ36B
	D456		UDZ4.7B
	D341		UDZS5.1B
	D462		UDZS5.6B
RELAYS			
	RY401-RY403		ASR7014
CAPACITORS			
	C451 (6800μF/42V)		ACH7080
	C452 (6800μF/42V)		ACH7081
	C313-C316,C337-C340		CCSQCH121J50
⚠	C153,C154		CCSQCH151J50
	C303,C304		CCSQCH221J50
	C334		CEANP100M16
	C471		CEANP1R0M2A
	C172		CEANP1R0M50
	C333		CEANP470M10
	C155,C156,C167,C168		CEAT100M50
	C317-C320,C335,C336		CEAT100M50
	C453-C458,C465,C466,C469		CEAT100M50
	C461,C462		CEAT101M2A
	C467,C468		CEAT1R0M50
	C470		CEAT3R3M50
	C169,C170		CEAT470M25
	C459,C460,C463,C464		CEAT470M50
	C157,C158		CEAT471M6R3
	C301,C302,C305,C306		CEBA100M50
	C307,C308		CEBA221M25
	C321-C324		CFTYA224J50
	C173		CFTYA564J50
	C165,C166		CKSQYB222K50
	C111-C113,C171,C341		CKSQYF473Z50
⚠	C472		CKSQYF473Z50
	C159,C160		CQMA243J50
	C161,C162		CQMBA823J50
RESISTORS			
	R311,R312		RDR1/4VM152J
	R301,R302		RDR1/4VM240J
	R303,R304		RDR1/4VM561J
⚠	R143		RS1/10S100J
⚠	R133,R134,R171,R172		RS1/10S101J
⚠	R351-R354,R452		RS1/10S101J
⚠	R317,R318,R331,R332		RS1/10S122J
⚠	R357-R360		RS1/10S151J
⚠	R377,R378,R453		RS1/10S153J
⚠	R465-R470		RS1/10S161J
⚠	R361-R366		RS1/10S1R5J
⚠	R339-R346		RS1/10S221J
⚠	R454		RS1/10S273J
⚠	R460		RS1/10S2R2J
⚠	R355,R356		RS1/10S432J
⚠	R459		RS1/10S470J
⚠	R464		RS1/10S4R7J
⚠	R379,R380		RS1/10S682J
⚠	R451		RS1LMF270J
⚠	R401,R402		RS1LMF331J

Mark	No.	Description	Part No.
⚠	R461-R463		RS1LMF390J
⚠	R403		RS1LMF821J
⚠	R373-R376		RS1LMFR22J
	VR301,VR302 (2.2kΩ)		VCP1123
	Other Resistors		RS1/10S□□□J

OTHERS

	3P CABLE HOLDER	51063-0305
	SCREW	ABA1007
	SCREW	ABA1052
CN101,CN102	8P PIN JACK	AKB7023
	8P SPEAKER TERMINAL	AKE1011
	HEAT SINK M	ANH-813
	HEAT SINK B	ANH1021
CN202	FFC CONNECTOR 19P	HLEM19S-1
CN203	16P PLUG	KM200TA16
JA401	REMOTE CONTROL JACK	RKN1004
	PCB BINDER	VEF1040
KN101,KN201,KN301,KN451	EARTH METAL FITTING	VNF1084

E FRONT L ASSY

(1) CONTRAST TABLE

AWX7123 and AWX7122 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7123	AWX7122	
	Q704	DTC124EK	Not used	
	Q705	2SC2712	Not used	
	D704	1SS355	Not used	
	R708	RS1/10S472J	Not used	
	R709	RS1/10S223J	Not used	
	J603 JUMPER WIRE	D15A03-100-2651	Not used	
	1603 3P CABLE HOLDER	51063-0305	Not used	

(2) PARTS LIST FOR AWX7123

SEMICONDUCTORS

IC751	UPC4570G2
Q707,Q708	2SC1845
Q705	2SC2712
Q701-Q704	DTC124EK
D704	1SS355
D701,D703,D705	SLP9118C51H

SWITCHES

S702-S704	VSG1009

CAPACITORS

C753,C754,C761,C762	CCSQCH101J50
C767,C768	CCSQCH221J50
C751,C752,C755,C756	CEAL100M50
C763,C764	CEALR10M50
C759,C760	CEALR47M50
C757,C758	CFTYA153J50
C701	CKSQYF104Z25

RESISTORS

⚠	R751,R752	RS1/10S101J
	VR751,VR752 (30kΩ)	ACS7028
	Other Resistors	RS1/10S□□□J

Mark	No.	Description	Part No.

OTHERS

	3P CABLE HOLDER	51063-0305
	7P CABLE HOLDER	51063-0705
	13P CABLE HOLDER	51063-1305
J603	JUMPER WIRE	D15A03-100-2651
J3	JUMPER WIRE	D15A07-200-2651

F FRONT R ASSY

(1) CONTRAST TABLE

AWX7124 and AWX7121 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7124	AWX7121	
	D614, D616, D621	1SS355	Not used	
	C611	CKSQYF103Z50	Not used	
	R623	RS1/10S102J	Not used	

(2) PARTS LIST FOR AWX7124

SEMICONDUCTORS

IC601	PD5443A
Q609	2SA1162
Q610	2SC2712
Q611-Q613,Q615,Q616	DTA124EK
Q601-Q606,Q608,Q614	DTC124EK
D608-D612,D614-D621	1SS355
D607	SLP6118C51H
D601-D606	SLP9118C51H

SWITCHES

S602,S603	VSG1009
S601	ASX7008

CAPACITORS

C602	CEAT102M6R3
C604	CEJA2R2M50
C603,C611	CKSQYF103Z50
C607,C608	CKSQYF104Z25
C605,C606,C610	CKSQYF473Z50

RESISTORS

VR601 (500kΩ)	ACS7029
Other Resistors	RS1/10S□□□J

OTHERS

X601	CERAMIC RESONATOR (4.19MHz)	VSS1014
	13P CABLE HOLDER	51063-1305
CN601	19P FFC CONNECTOR	9607S-19F
J602	JUMPER WIRE	D15A13-125-2651

G OPT ASSY

OTHERS

3P CABLE HOLDER	51063-0305
REMOTE RECEIVER UNIT	GP1U27X

6. ADJUSTMENT

6.1 IDLE CURRENT ADJUSTMENT

- CAUTION : Heatsinks' (Q323–Q326) DC level is equal to +B or -B.
  Don't touch them or you will be electric shocked.

1. Connect the measuring instrument as shown in Fig.6-1. (R373 or R374)
2. Turn the POWER switch to ON.
3. Adjust VR301 (VR302) so that the voltage between both sides of R373 (R374) becomes 10mV ± 1mV.
4. Ages for 5 minutes.
5. Adjust VR301 (VR302) so that the voltage between both sides of R373 (R374) becomes 11mV ± 1mV.

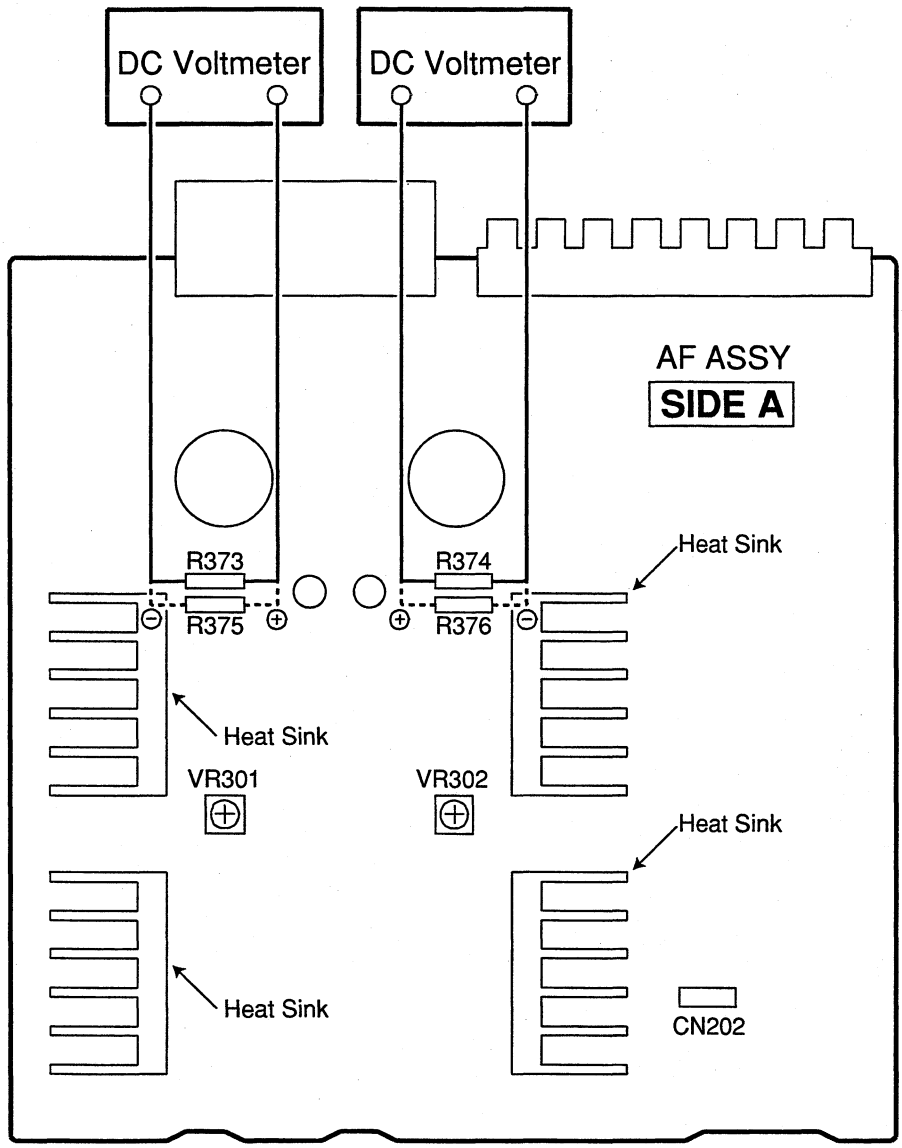
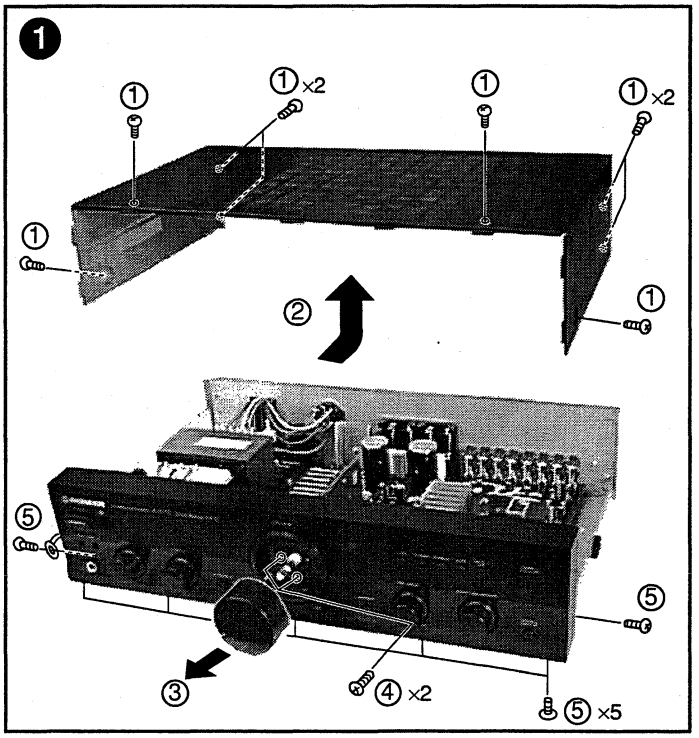
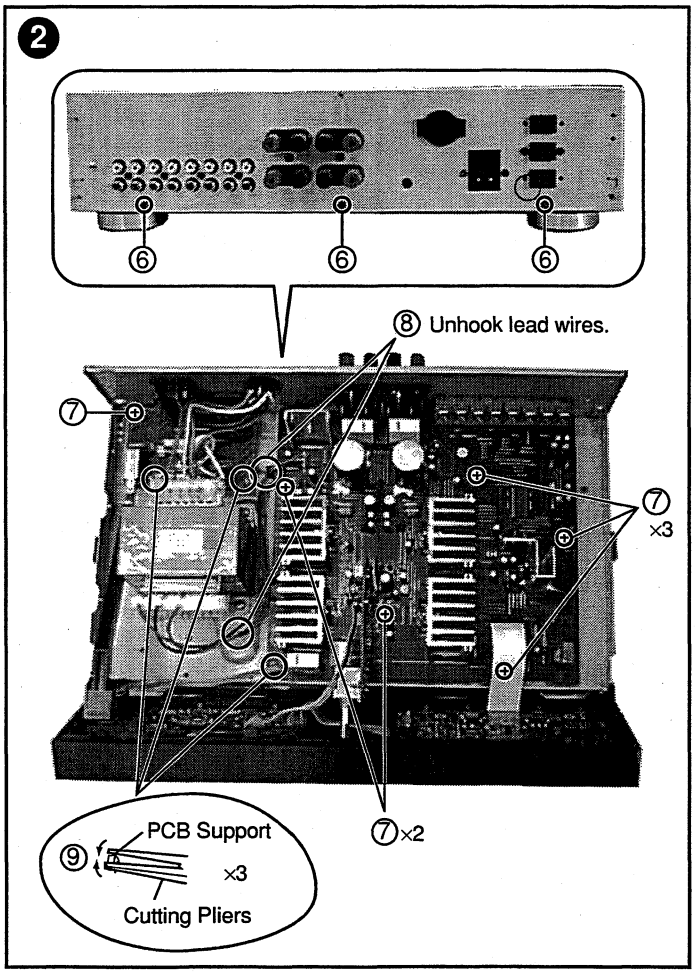
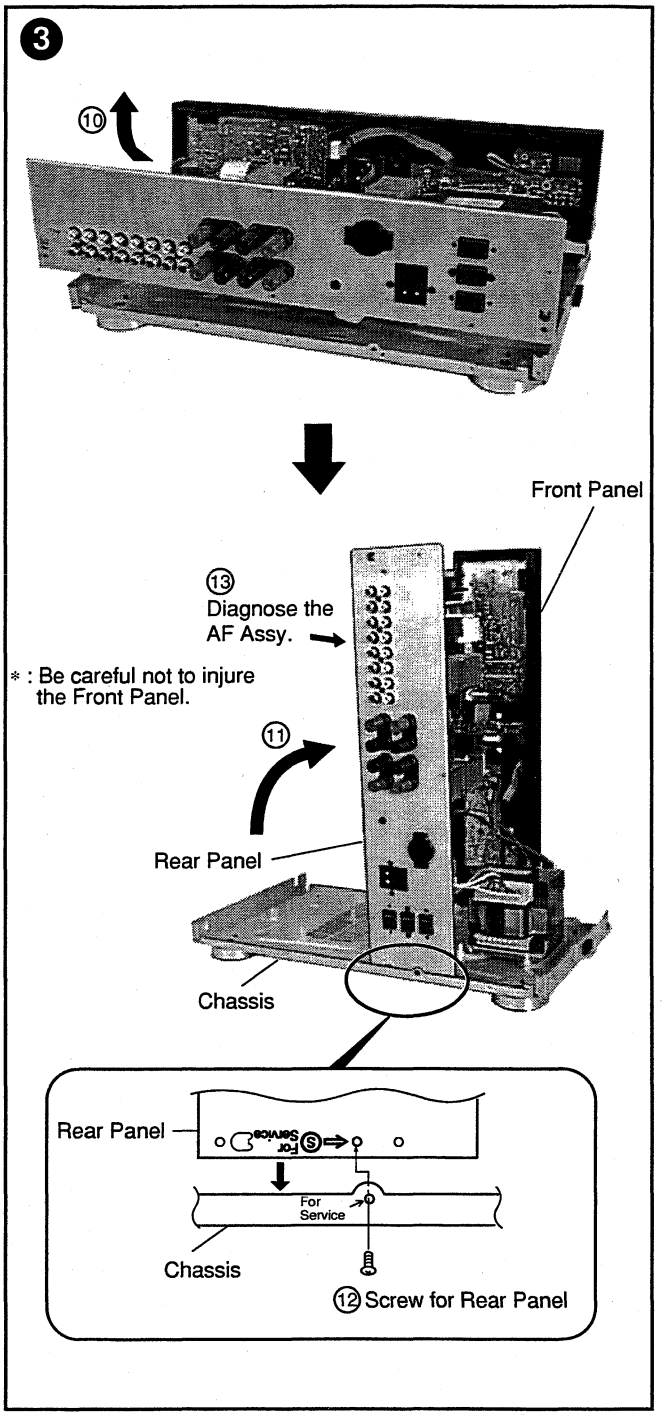


Fig.6-1 Adjustment Method

7. GENERAL INFORMATION
7.1 DISASSEMBLY







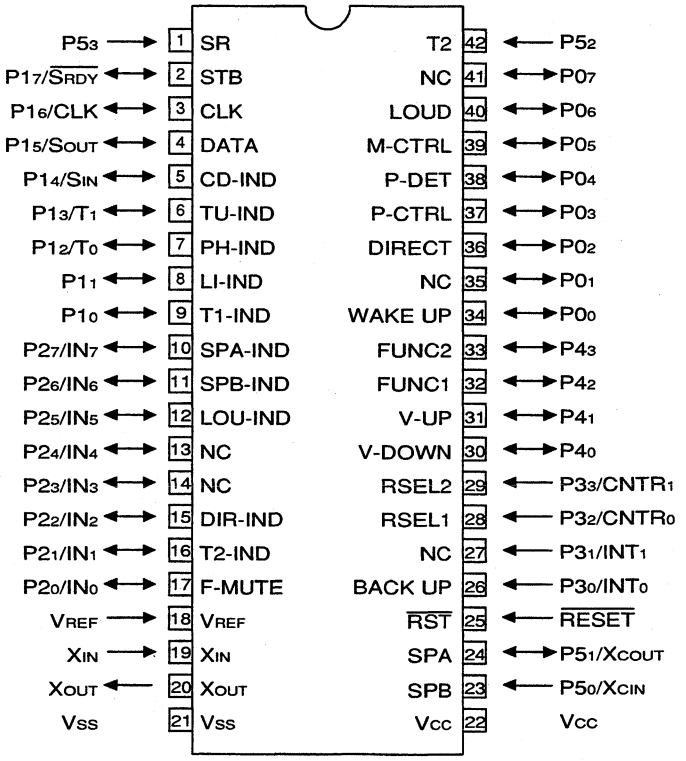
7.2 IC

■ PD5443A (FRONT R ASSY : IC601)

● REMOTE CONTROL AMP MICROCOMPUTER

● Pin Assignment (Top view)

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.


P53 → 1 SR
P17/SRDY ↔ 2 STB
P16/CLK ↔ 3 CLK
P15/SOUT ↔ 4 DATA
P14/SIN ↔ 5 CD-IND
P13/T1 ↔ 6 TU-IND
P12/T0 ↔ 7 PH-IND
P11 ↔ 8 LI-IND
P10 ↔ 9 T1-IND
P27/IN7 ↔ 10 SPA-IND
P26/IN6 ↔ 11 SPB-IND
P25/IN5 ↔ 12 LOU-IND
P24/IN4 ↔ 13 NC
P23/IN3 ↔ 14 NC
P22/IN2 ↔ 15 DIR-IND
P21/IN1 ↔ 16 T2-IND
P20/IN0 ↔ 17 F-MUTE
VREF → 18 VREF
XIN → 19 XIN
XOUT ← 20 XOUT
VSS 21 VSS
22 VCC VCC
23 P50/XCIN ↔ SPB
24 P51/XCOUT ↔ SPA
25 RST ← RESET
26 BACK UP ← P30/INT0
27 NC ← P31/INT1
28 RSEL1 ← P32/CNTR0
29 RSEL2 ← P33/CNTR1
30 V-DOWN ↔ P40
31 V-UP ↔ P41
32 FUNC1 ↔ P42
33 FUNC2 ↔ P43
34 WAKE UP ↔ P00
35 NC ↔ P01
36 DIRECT ↔ P02
37 P-CTRL ↔ P03
38 P-DET ↔ P04
39 M-CTRL ↔ P05
40 LOUD ↔ P06
41 NC ↔ P07
42 T2 ← P52

● Pin Function

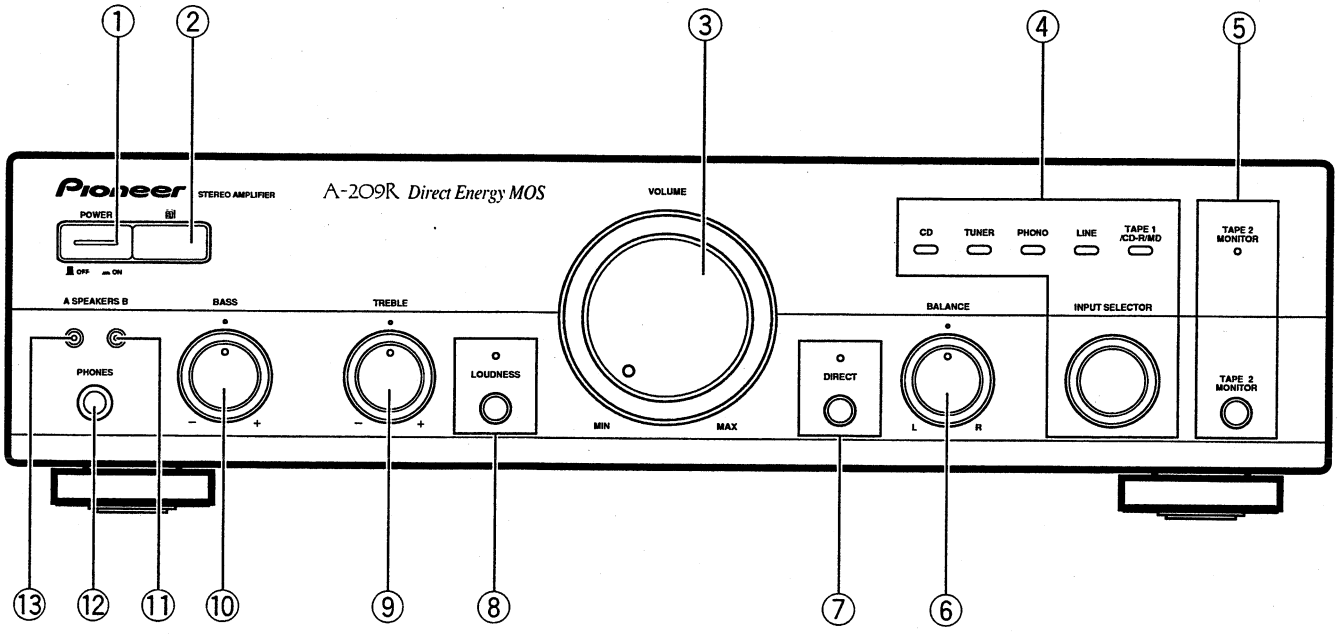
No.	Pin name	I/O	Function
1	P53	I	Remote control signal input pin.
2	P17/SRDY	O	STB for TC9163N.
3	P16/CLK	O	CLOCK for TC9163N.
4	P15/SOUT	O	DATA for TC9163N.
5	P14/SIN	O	CD INDICATOR.
6	P13/T1	O	TUNER INDICATOR.
7	P12/T0	O	PHONO INDICATOR.
8	P11	O	LINE INDICATOR.
9	P10	O	TAPE1 INDICATOR.
10	P27/IN7	O	SPEAKER-A INDICATOR.
11	P26/IN6	O	SPEAKER-B INDICATOR.
12	P25/IN5	O	LOUDNESS INDICATOR.
13	P24/IN4	O	Not used.
14	P23/IN3	O	Not used.
15	P22/IN2	O	DIRECT INDICATOR.
16	P21/IN1	O	TAPE2 INDICATOR.
17	P20/IN0	O	FUNCTION switch MUTE.
18	VREF	I	Pulls up to 5V.
19	XIN	I	4.19MHz.
20	XOUT	O	Ceramic vibrating and connecting terminal.
21	VSS	-	Digatal GND.
22	VCC	-	Power supply +5V.
23	P50/XCIN	I	SPEAKER-B KEY input.

No.	Pin name	I/O	Function
24	P51/XCOUT	I	SPEAKER-A KEY input.
25	RESET	I	Reset pin.
26	P30/INT0	I	BACK UP detection pin. interrupt specification.
27	P31/INT1	I	Not used.
28	P32/CNTR0	I	REC selector input 1.
29	P33/CNTR1	I	REC selector input 2. interrupt specification.
30	P40	O	Volume DOWN data output.
31	P41	O	Volume UP data output.
32	P42	I	FUNCTION selector input 1.
33	P43	I	FUNCTION selector input 2.
34	P00	I	WAKE UP input. Key on wake up specification.
35	P01	O	Not used.
36	P02	I	DIRECT KEY input. Key on wake up specification.
37	P03	O	Protection control pin.
38	P04	I	Output error detection pin
39	P05	O	MUTING control pin.
40	P06	I	LOUDNESS KEY input. Key on wake up specification.
41	P07	O	Not used.
42	P52	I	TAPE2 KEY input.

8. PANEL FACILITIES AND SPECIFICATIONS

8.1 PANEL FACILITIES

[FRONT PANEL]



The illustration shows the A-209R.

① POWER (■ OFF/▬ ON) switch

Press to turn power to the unit ON and OFF.
This unit cannot be turned ON and OFF using the remote control unit.

② REMOTE CONTROL SENSOR window

(on the A-209R only)

③ VOLUME control

Use to adjust the volume level.

④ INPUT SELECTOR knob/indicators

Turn the knob clockwise or counterclockwise so that the indicator lights for your desired input source. Turning the knob clockwise causes the lit indicator to right. Turning counterclockwise causes it to left.

CD : For compact disc playback with a CD player.
TUNER : For AM or FM broadcast reception with a tuner.
PHONO : For record playback with a turntable.
LINE : Set to this position when listening to the program from a component connected to the LINE terminals.
TAPE 1/CD-R/MD: For playback with a cassette deck,CD recorder or MD recorder connected to TAPE1/CD-R/MD terminals.

⑤ TAPE 2 MONITOR button/indicator

Use when there is an adaptor component (graphic equalizer, etc.) or cassette deck connected to the TAPE2 MONITOR terminals.

On : Indicator lights when using the adaptor component or listening to the cassette deck.
Off : Indicator goes off when not in use.

NOTES:

- When no connections are made to the TAPE2 MONITOR terminals, or when they are not in use, be sure to set this switch to the off position. (No sound will be heard if it is set to the on position.)
- When the TAPE2 MONITOR indicator is on and the INPUT SELECTOR knob is not set to TAPE1/CD-R/MD, the signals which are input through TAPE 2 MONITOR are then output at TAPE1/CD-R/MD REC OUT.

⑥ BALANCE control

Should normally be left in the center position. Adjust balance if the sound is louder from one of the speakers. If the right side is louder, turn toward the L (left) position and if the left side is louder, turn toward the R (right) position.

NOTE:

This control does not operate when the DIRECT button is in the on position.

⑦ DIRECT button/indicator

Use this button when you do not wish to pass the output from input terminal equipment through the various frequency adjusting circuits (BASS, TREBLE, BALANCE, LOUDNESS).

On : The indicator lights: The signals passing through the input terminals are reproduced without passing through the various frequency adjusting circuits. This results in flat, pure sound which is a more faithful reproduction of the input source.

Off : The indicator goes off: The signal passes through the various frequency adjusting circuits.

⑧ LOUDNESS button/indicator

Use when listening at low volume levels.

On : The indicator lights: Boosts low and high frequencies to give added punch to playback even at a low volume level.

Off : The indicator goes off: Should normally be left in this position.

NOTE:

This button does not operate when the DIRECT button is in the on position.

⑨ TREBLE tone control

Use to adjust the high-frequency tone. The center position is the flat (normal) position. When turned to the right, high-frequency tones are emphasized; when turned to the left, high-frequency tones are de-emphasized.

NOTE:

This control does not operate when the DIRECT button is in the on position.

⑩ BASS tone control

Use to adjust the low-frequency tone. The center position is the flat (normal) position. When turned to the right, low-frequency tones are emphasized; when turned to the left, low-frequency tones are de-emphasized.

NOTE:

This control does not operate when the DIRECT button is in the on position.

⑪ SPEAKERS B (ON/OFF) button/indicator

Use this button to listen to the speaker system connected to SPEAKERS B terminals.

ON : The indicator lights. Sound is heard from the speaker system.

OFF : The indicator goes off. No sound is heard from the speaker system. Set to this position when listening with headphones.

⑫ PHONES jack

When using headphones, insert the plug into this jack.

NOTE:

The speakers continue to output sound even when headphones are plugged into this jack.
To mute the sound from the speakers, press the SPEAKERS button to OFF.

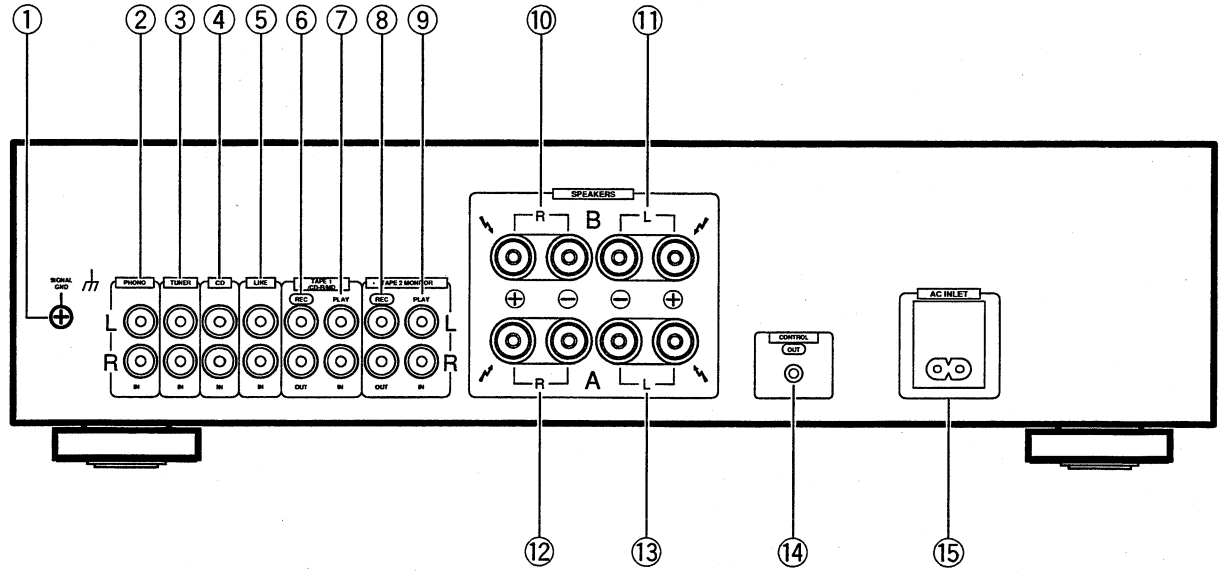
⑬ SPEAKERS A (ON/OFF) button/indicator

Use this button to listen to the speaker system connected to SPEAKERS A terminals.

ON : The indicator lights. Sound is heard from the speaker system.

OFF : The indicator goes off. No sound is heard from the speaker system. Set to this position when listening with headphones.

[REAR PANEL]



The illustration shows the A-209R.

① GND (Turntable ground) terminal

② PHONO terminals

③ TUNER terminals

④ CD terminals

⑤ LINE terminals

⑥ TAPE 1/CD-R/MD REC (OUT) terminals

⑦ TAPE 1/CD-R/MD PLAY (IN) terminals

⑧ TAPE 2 MONITOR REC (OUT) terminals

⑨ TAPE 2 MONITOR PLAY (IN) terminals

⑩ SPEAKERS B terminals (Right channel)

⑪ SPEAKERS B terminals (Left channel)

⑫ SPEAKERS A terminals (Right channel)

⑬ SPEAKERS A terminals (Left channel)

⑭ CONTROL OUT jack

This jack is for output of control signals when operating other components bearing the SR mark with the attached remote control unit. (on the A-209R only)

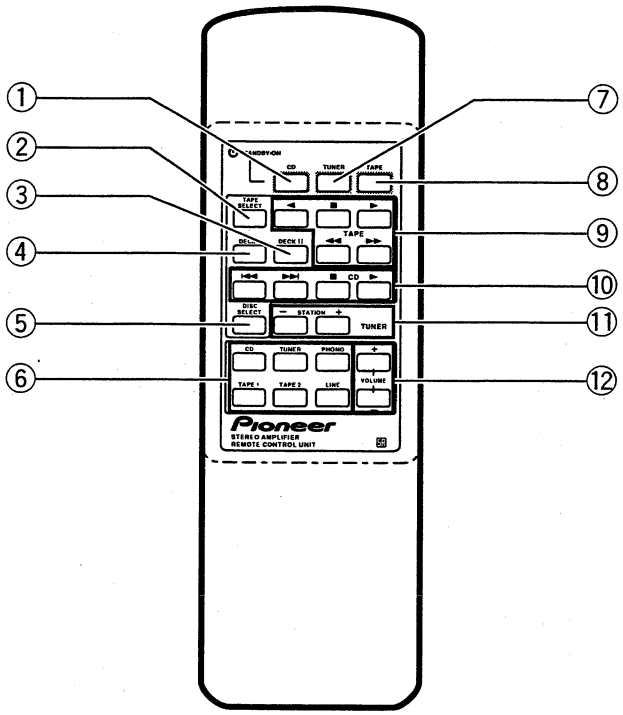
⑮ AC INLET jack

Connect power cord to here and an AC wall socket, or the AC outlet of an audio timer.
If you are going to be away from home for a long period of time, disconnect the unit from the wall socket.

NOTES:

- If you use an other power cord than provided, we cannot assume the liabilities in what may occur as a result of it.
- (The provided power cord has a current capacity of 2.5 A.)

[REMOTE CONTROL] (A-209R)



① CD POWER button
Switches CD player power ON/OFF.

② TAPE SELECT button
Selects the cassette No. (1 to 6) for multi-cassette changer.

③ DECK II button
To operate Deck II, press this button before pressing the operating buttons. Also, when using a single deck, press this button before pressing the operating buttons.

④ DECK I button
To operate Deck I, press this button before pressing the operating buttons.

⑤ DISC SELECT button
Press this to select discs on a multi or twin tray compact disc player.

⑥ Input selector button
Use to select the playback source.

CD : For compact disc playback with a CD player.
TUNER : For AM or FM broadcast reception with a tuner.
PHONO : For record playback with a turntable.
TAPE 1 : For playback with a cassette deck,CD recorder or MD recorder connected to TAPE1/CD-R/MD terminals.
TAPE 2 : For playback with a cassette deck or adaptor connected to TAPE 2 MONITOR terminals.
LINE : For playback with a component connected to the LINE terminal.

⑦ TUNER POWER button
Switches TUNER power ON/OFF.

⑧ TAPE POWER button
Switches the cassette deck power ON/OFF.
(Can not turn ON/OFF some cassette decks.)

⑨ TAPE operation buttons
◄, ► : Playback in the direction of the arrows.
■ : Stop
◄◄, ►► : Tape fast forward/reverse.

⑩ CD player operation buttons
|◄◄ : Returns you to the start of the current track. (Track search)
►►| : Takes you to the start of the next track. (Track search)
■ : Stop
► : Play

⑪ STATION + (up), – (down) buttons
Calls each station number in sequence.

⑫ VOLUME + (up), – (down) buttons
+ ..... Increases the volume.
– ..... Decreases the volume.

NOTE:
When the accessory remote control unit is used to operate other Pioneer components with the SR mark, it cannot be used to operate functions which do not correspond to the functions listed on the remote control unit.

8.2 SPECIFICATIONS

Amplifier Section

Continuous power output
(both channels driven at 20 Hz to 20 kHz)**
[A-209R]
T.H.D. 0.1 %, 8 Ω ..... 35 W + 35 W*
T.H.D. 0.15 %, 4 Ω ..... 45 W + 45 W*
DIN Continuous power output
(both channels driven at 1 kHz)
[A-209R]
T.H.D. 1.0 %, 8 Ω ..... 45 W + 45 W
T.H.D. 1.0 %, 4 Ω ..... 60 W + 60 W
Total harmonic distortion**
[A-209R]
20 Hz to 20 kHz, 17.5 W, 8 Ω ..... 0.08 %*

- Power output specification is for when power supply is 230 V.

Input sensitivity/impedance
PHONO (MM) ..... 2.8 mV/50 kΩ
[A-209R]
CD, TUNER, LINE, TAPE1/CD-R/MD, TAPE2 MONITOR
..... 200 mV/50 kΩ
PHONO (MM) overload level
1 kHz, T.H.D. 0.1 % ..... 150 mV
Output level/impedance
TAPE1 REC, TAPE2 MONITOR REC ..... 200 mV/1 kΩ
Frequency response
PHONO (MM) ..... 20 Hz to 20 kHz, ±0.5 dB
[A-209R]
CD, TUNER, LINE, TAPE1/CD-R/MD, TAPE2 MONITOR
..... 5 Hz to 100 kHz, $^{+0}_{-3}$ dB*
Tone control
BASS ..... ±8 dB (100 Hz)
TREBLE ..... ±8 dB (10 kHz)
Loudness contour (volume control set at –30 dB position)
..... +6 dB (100 Hz)/+4 dB (10 kHz)
Signal-to-Noise ratio (IHF short circuit, A network)
PHONO (MM, 5 mV input) ..... 85 dB*
[A-209R]
CD, TUNER, LINE, TAPE1/CD-R/MD, TAPE2 MONITOR
..... 106 dB*
Signal-to-Noise ratio (DIN, continuous power/50 mW)
PHONO (MM) ..... 71 dB/67 dB*
[A-209R]
CD, TUNER, LINE, TAPE1/CD-R/MD, TAPE2 MONITOR
..... 91 dB/71 dB*

Power Supply/Miscellaneous

Power requirements ..... AC 220 – 230 V, 50/60 Hz
Power consumption
[A-209R] ..... 130 W
Dimensions (including knobs and other protruding parts)
..... 420 (W) x 114 (H) x 307 (D) mm
Weight (without package)
[A-209R] ..... 4.7 kg

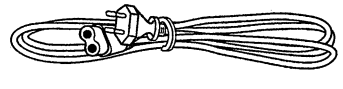
Accessories

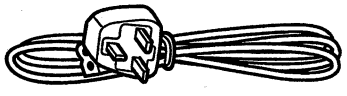
Remote control unit 1
Batteries (AA/R6P) 2
Power cord (Rated current 2.5 A) 1
Operating instructions 1
Warranty card 1

NOTE:
Specifications and design are subject to possible modifications without notice, due to improvements.

* Measured with DIRECT button set to on.
** Measured by Audio Spectrum Analyzer.

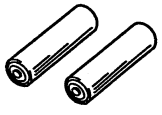
■ Accessories



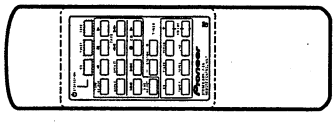


Power cord
(MYXJ, MLXJ : ADG1154)
(SBDXJ : ADG1154,
VKX1007)

(MVXJ : ADG1156)



AA size IEC R6P
batteries (x2)



Remote control unit (A-209R)
CU-A019 (AXD7193)